
UNIVERSITY OF MALTA



M A L T A

MALTA, GOZO AND COMINO, the inhabited islands of the Maltese archipelago, lie at almost the exact geographical heart of the Mediterranean Sea. With Sicily some 95 kms to the North, Tripoli 350 kms to the South and Tunis 320 kms to the West, Malta is virtually at the crossroads between continents. The islands' strategic position has, in fact, made them subject to a succession of rulers, who in turn left their influence on the country and language as we know them today. Malta's prehistory dates back to 5000 B.C., whilst its documented past is traceable over a period of 2000 years.

In 1964 Malta obtained its political independence from Britain and in 1974 it became a Republic.

Elections to the House of Representatives are held every five years. Malta is a member of the United Nations and its various organisations and ever since 1964 has taken an active role in United Nations affairs. In 1967 Malta launched the idea of seabed resources being the common heritage of mankind. Malta joined the European Union in 2004 having been an associate member of the European Community for many years.

The national language is Maltese which is a complex derivative of Semitic and Romance languages using a primarily Latin alphabet but also including a number of additional letters which originate in the Arab language. English is also an official language. The climate is typically

Mediterranean, having mild winters and hot summers. Malta has a population of over 400,000 and is visited annually by more than one million tourists. Air Malta and other international airlines link Malta with the major European and North African cities. There are daily connections to London (Heathrow and Gatwick Airports) and Rome as well as frequent direct flights to Milan, Brussels, Paris, Frankfurt, Zurich, Athens, Tunis, Cairo, Tel Aviv and Dubai. A sophisticated telecommunications system and widespread access to telefax machines, cardphone-booths and internet cafés, ensure easy international links. The capital city is Valletta commissioned by Grandmaster La Vallette after the Great Siege of 1565.

© University of Malta, 2008

Compiled by Communications & Alumni Relations Office

Photos by kind permission of Austin Tufigno, Patrick Fenech, Gorg Mallia, the Department of Mathematics, Science & Technical Education, Faculty of Education and the Communications & Alumni Relations Office. Special thanks to Professor J.N. Grima for permission to reproduce the auxetic structure being investigated by the auxetics research team (pg. 37).

Printed by PEG Ltd., San Gwann





University of Malta

University of Malta,
Msida MSD 2080,
Malta

Tel: [+356] 2133 3903

Fax: [+356] 2133 6450

Email: comms@um.edu.mt

Website: <http://www.um.edu.mt>

THE UNIVERSITY OF MALTA traces its origins to the founding of the *Collegium Melitense* by the Jesuits in 1592. The College was raised to University status by Grand Master Manoel Pinto de Fonseca in 1769.

Situated at Tal-Qroqq, it is the highest teaching institution of the State by which it is mainly financed and is open to all those who have the requisite qualifications. The supreme governing bodies of the University are the Council and the Senate. There are some 10,000 students including over 750 foreign/exchange students from nearly 80 different countries, following full-time or part-time degree and diploma courses, many of them run on the modular or credit system. A basic Foundation Studies Course enables international high school students who have completed their secondary or high school education overseas but who do not have the necessary entry requirements, to qualify for admission to an undergraduate degree course at the University of Malta. The University is geared towards the infrastructural and industrial needs of the country so as to provide expertise in crucial fields. Over 2,500 students graduate in various disciplines annually. The degree courses at the University are designed to produce highly qualified professionals, with experience of research, who will play key roles in industry, commerce and public affairs in general. There are a further 3,000 pre-tertiary students at the Junior College which is also managed by the University.

The University today has eleven faculties: Architecture & Civil Engineering; Arts; Dental Surgery; Economics, Management & Accountancy; Education; Engineering; Information & Communication Technology (ICT); Laws; Medicine & Surgery; Science and Theology. A number of interdisciplinary institutes and centres have been set up in various fields. These include Agriculture, Anglo-Italian Studies, Baroque Studies, Energy Technology, Forensic Studies, Health Care, Linguistics, Maltese Studies, Masonry and Construction Research, Public Administration and Management, Physical Education & Sport, Mediterranean Institute, the Edward de Bono Institute for the Design & Development of Thinking, the International Environment Institute, the Institute for Islands and Small States Studies and the Euro-Mediterranean Centre on Insular Coastal Dynamics. The centres comprise: Centre for Communication Technology, the European Centre for Gerontology, Euro-Mediterranean Centre for Educational Research, Centre for Environmental Education and Research, Centre for Labour Studies, Centre for Literacy and the European Documentation and Research Centre which incorporates the European Documentation Centre established to serve as a repository of European Community documents as well as a resource centre for students and the general public.

Under the auspices of the University, the Institute of Conservation and Management of Cultural Heritage (the teaching and research arm of *Heritage Malta*) conducts undergraduate and postgraduate degrees

in Conservation Science while the Institute for Water Technology runs a course leading to the Diploma in Operational Island Hydrology.

A centre on Malta's sister-island, Gozo, offers part-time evening degree courses in Arts and Commerce and facilitates short courses and seminars. Associated with the University is the Mediterranean Academy of Diplomatic Studies which was established by special agreement with the Graduate Institute of International Studies in Geneva. The campus is also home to the IMO International Maritime Law Institute (IMLI) and the International Ocean Institute Malta Operational Centre (IOI-MOC). The public response to the University of the Third Age has been very encouraging with membership constantly on the increase and all activities being well attended.

There are a number of fields which the University has identified as priority areas. Chief among these, are relations with industry and the strengthening of the Engineering departments; the further development of information technology, computer science and artificial intelligence; the University's contribution to the improvement of primary and secondary education and the forging of inter-university links to stimulate international educational exchange. A Link Campus has been opened in Rome in recent years.

International conferences and seminars are organised by the Conference Unit of the Foundation for International Studies which is situated in the original University building in Valletta. In recent years, a number of 'Summer Schools' and short courses for both overseas and local participants have been conducted under its umbrella. These have included English Language Courses, Summer Schools in Archaeology and Near Eastern Studies, an Overview of the Mediterranean Environment and a Summer School in European Contract and Banking Law organised in conjunction with *La Sapienza* University, Rome. A number of programmes has also been organised jointly with Luther College, Iowa; James Madison University, Virginia; Bradley University, Illinois and South Texas College of Law (in collaboration with California Western School of Law, New England School of Law and William Mitchell College of Law) in the USA and in Australia, Australians Studying Abroad (The Sicilian Channel Programme).

The University of Malta is a member of the European Universities Association, the European Access Network, the Association of Commonwealth Universities, the Utrecht Network, the Santander Network, the Compostela Group and the International Student Exchange Programme (ISEP). Over the years, the University has participated in a number of EU Programmes and has won several projects under the 5th and 6th Framework programmes in collaboration with various partner universities. University of Malta staff and students participate in programmes such as Erasmus, Leonardo and Comenius.

Publications

University of Malta *Annual Report*
University of Malta *Calendar*
University of Malta *Handbook*
University of Malta *Regulations*
University of Malta *Undergraduate Prospectus*
University of Malta *Postgraduate Prospectus*
(various Faculty/Centre/Institute Prospectuses)



FACULTIES

Faculty of Architecture & Civil Engineering

Tel: 2340 2860

Fax: 2134 6225

Email: arch-ce@um.edu.mt

ARCHITECTURE and Engineering were first taught at the University of Malta under the science branch of the Faculty of Literature and Science established in 1898. Under the Rectorship of Professor E. Magro (1904-1920), the Faculty split into two and Engineering and Architecture became an independent faculty.



Courses Offered

Undergraduate:

Bachelor of Engineering & Architecture (Honours)

Bachelor of Planning (Honours)

Postgraduate:

Postgraduate Diploma in Planning Studies

Master of Science in Road Engineering

M.Phil./Ph.D.

Departments

- Architecture & Urban Design
- Building & Civil Engineering

• Architecture & Urban Design

Subject Areas Taught: Architectural design; History of Architecture and Urbanism; Human-Environment Studies; Architectural Science; Urban Studies; Conservation Studies; Landscape Architecture; Advanced History and Theory Studies; Project Management; Housing Studies; Interior Design and Planning Studies.

Areas of Research: History of Architecture; Conservation of Buildings; Environmental Performance of Buildings.

International Links: University of Anhalt, Germany; *in Italy:* University of Bari; University of Reggio Calabria; University of Catania; University of Florence; University of Palermo; University of Urbino; University of Liverpool, UK.

• Building & Civil Engineering

Subject Areas Taught: Architectural Studies including Design Workshops; History of Architecture and Urbanism; Human-Environment Studies; Urban Studies; Conservation Studies. Architectural Science including Construction Systems and Materials; The Thermal Environment; Lighting; Acoustics and Noise Control; Building Services. Structural and Civil Engineering including Theory of Structures; Surveying; Soil Mechanics and Geotechnics; Hydrology and Marine Engineering; Road Design and Construction; Public Health Engineering; Structural Design; Fluid Mechanics. Professional Studies including Building Laws and Regulations; Building and Land Economics; Specifications and Costings; Project Management. Ancillary Studies including Mathematics; Computer Applications.

Areas of Research: Development of new cements to be used as a bio-material; Re-utilization of building waste in particular for the manufacture of reconstituted stone. Use of glass cullet as a sand/cement replacement in concrete. Problems of Accessibility in Buildings. Aspects of History of Architecture. Energy use in buildings.

International Links: Czech Technical University, Czech Republic; *in Italy:* University of Bari; University of Bologna; University of Palermo; University of Reggio Calabria and University of Bath, UK.



FACULTIES

Faculty of Arts

Tel: 2340 3082

Fax: 2131 7938

Email: arts@um.edu.mt

Website:

<http://www.arts.um.edu.mt>

THE FACULTY OF ARTS is one of the oldest University faculties and can trace its origins back to the teaching of the Humanities when the *Collegium Melitense* was established. With the setting up of a *Pubblica Università di Studi Generali* under Grand Master Pinto (22 November 1769), Philosophy, the Liberal Arts and Rhetoric were among the subjects taught. The Faculty of Literature and Science established in 1898 split into two in the early 20th century and the Faculty of Literature became an independent faculty later changing its name to the Faculty of Arts.

Courses Offered

Certificate:

Certificate in Proof-reading Maltese

Diploma:

Diploma in Functional Arabic

Undergraduate:

Bachelor of Arts

Bachelor of Arts (Honours)

Postgraduate:

Postgraduate Diploma in Translation and Interpreting

Postgraduate Diploma in Interpreting

Postgraduate Diploma in Translation

Master of Arts (*taught and by research*)

Master of Arts in Translation and Interpreting

Master of Arts in Interpreting

Master of Arts in Translation

Master of Arts in Contemporary European Philosophy

Master of Arts in English: Modern and Contemporary Literature and Criticism

Master of Arts in the Geography of Cities

M.Phil./Ph.D.

Departments

- Arabic & Near Eastern Studies
- Classics & Archaeology
- English
- French
- History
- History of Art

- International Relations
- Italian
- Maltese
- Philosophy
- Sociology
- Translation & Interpreting Studies

Subject Areas

The Faculty of Arts offers over thirty areas of study made possible through services offered by the Mediterranean Institute, the Institute of Anglo-Italian Studies, the Institute of Linguistics, the Faculty of Education and the Centre for Communication Technology.

The areas of study comprise: American Studies; Anglo-Italian Studies; Anthropology; Arabic; Archaeology; Art; Classics; Communication Studies; Comparative Religion; Contemporary Mediterranean Studies; English; French; Geography; German Studies; Greek (Ancient); Hispanic Studies; History; History of Mediterranean Civilisation; International Relations; Italian; Latin; Linguistics; Maltese; Maltese Studies; Mediterranean Studies; Music Studies; Near Eastern Studies; Philosophy; Psychology; Renaissance Studies; Social Studies; Sociology and Theatre Studies.

• Arabic & Near Eastern Studies

Subject Areas Taught: Arabic; Arab and Islamic Civilization; Classical Hebrew; Phoenician-Punic; Ancient Near Eastern Archaeology - mainly Biblical Archaeology.

Areas of Research: Hebrew Bible and Archaeology; Phoenician-Punic Inscriptions; Arabic; Comparative Semitic Philology; Syriac.

The expansion policy of the Department focuses on two main areas: Modern Standard Arabic and the Hebrew of the Dead Sea Scrolls.

International Links: University of Lund, Sweden; University of Oxford, UK.

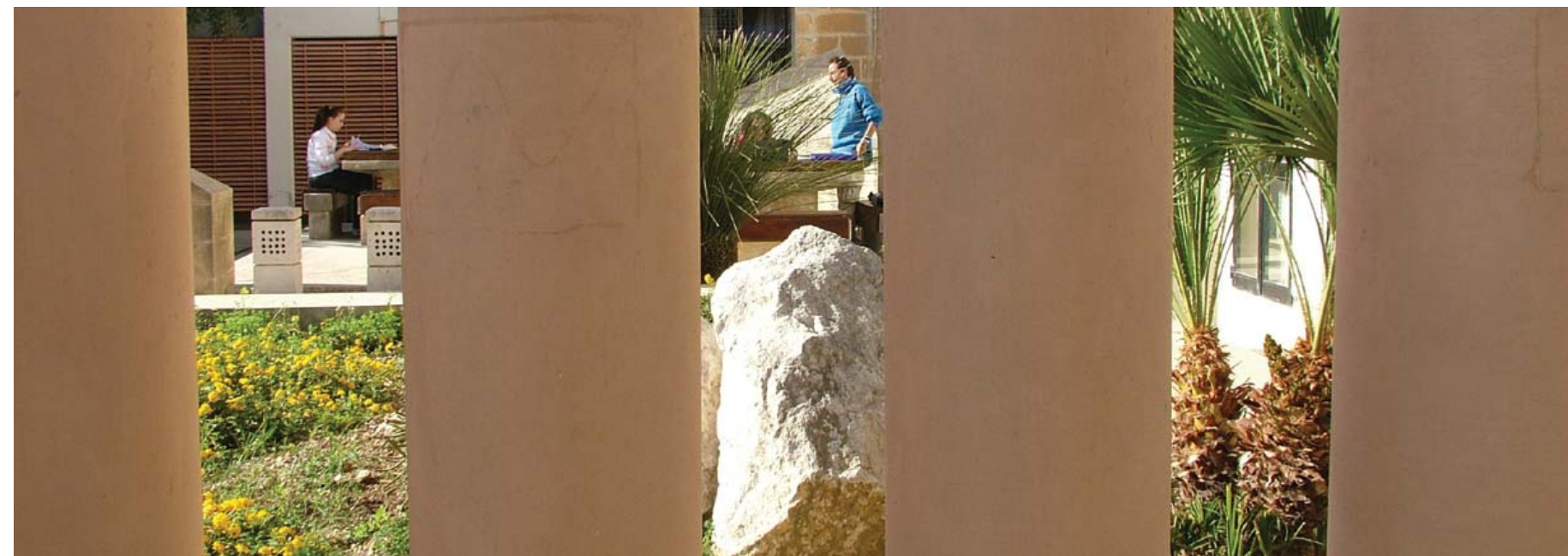
• Classics & Archaeology

Subject Areas Taught: Classics: Latin grammar and syntax; Latin texts; Greek and Roman civilization; classical rhetoric and prosody; Greek prose composition; classical epic; Greek mythology; literary criticism.

Archaeology: classical art and archaeology; Phoenician and Punic archaeology; Maltese Prehistory; Roman Malta; archaeology of the Western Mediterranean; Ancient Israel; Riverine Civilizations of the Near East; Mediaeval archaeology; development and theory of archaeology; documentation techniques for archaeology; fieldwork. The Department conducts its own yearly excavation campaigns on two sites, one in Malta, one in Gozo.

Areas of Research: Classical Literature; Roman Art and Archaeology; Maltese Archaeology (from prehistoric to Medieval); Mediterranean Prehistory.

Research Projects: K.A.S.A. (*Koiné Archeologica Sapientiale Antichità*), a European project within Intereg IIIA programme.





International Links: Université de Paris-Sorbonne Paris IV, France; University of Belfast, N. Ireland; University of Cambridge, UK.

• English

Subject Areas Taught: English and American Literature; Linguistics; Literary Criticism and Theory.

Areas of Research: Comparative Literature; Romanticism; Modernism; Elizabethan Literature; Bilingualism; Sociolinguistics; Postcolonialism; Contemporary Narrative; Poststructuralism; Posthumanism.

Research Projects: ACUME 2 - a Europe-wide thematic network of universities that investigates diverse inter-regional patterns and processes of cultural memory, as well as current challenges within interdisciplinarity.

International Links: Universität Wien, Austria; Università di Bologna, Italy; *in the UK:* University of Oxford; University of Essex; Goldsmiths College, London; University of St Andrews; National University of Ireland, Galway; University of Limerick.

• French

Subject Areas Taught: French and Francophone Literature and Culture; French Language, Linguistics and Translation French-Maltese, Maltese-French. Classes in French Language and Culture, levels 1 - 5, are offered to all undergraduate students of the University of Malta.

Areas of Research: French Linguistics; Teaching French as a Foreign Language; Surrealist Literature; Franco-Maltese cultural encounters; classical and post-classical French Literature; intellectual and cultural life of French Knights in eighteenth-century Malta; French Travel Literature of Malta.

International Links: *in France:* Université de Paris-Sorbonne Paris IV; Université François Rabelais, Tours; Université de Picardie Jules Verne, Amiens; Université Jean Monnet, Saint-Etienne; Université de Nancy 2, Nancy; Université Rennes 2 - Haute Bretagne; Université Blaise-Pascal, Clermont-Ferrand; Université d'Angers, Angers; Université Jean Moulin, Lyon 3; Université de Reims, Reims; Université du Littoral Côte d'Opale, Dunkerque; Institut Libre Marie Haps, Bruxelles, Belgium; Universidad de Granada, Granada, Spain.

The Department of French celebrates *La Journée de la Francophonie* every year under the distinguished patronage of H.E. the Ambassador of France.

• History

Subject Areas Taught: History: European; Maltese; Mediterranean; Russian; Renaissance & Reformation; Late Mediaeval to Early Modern Economic History *incl.* the Mediterranean; Hospitaller Malta (1530-1798); Historiography; IT as a History Tool; Historical Demography; Historical Anthropology; Oral History; History of International Relations; History of Political Thought; Small Islands in Global History; History Research Methods.

Areas of Research: Early Modern, Modern & Contemporary Maltese / Mediterranean History; Politics & International Relations; Maltese / Mediterranean Economic and Social History (Mediaeval: 1000-1500), (Modern (1800s-1930s); Oral History; Empire; Europe and The Mediterranean; Venice; The Hospitaller Order of St. John of Jerusalem; Mediaeval History of Malta in Europe; Slavery in Malta & Europe.

International Links: *in the UK:* Brunel University; University of Essex; University of Exeter; University of Hull; University of Manchester; University of Oxford; University of Reading; Université de Paris-Sorbonne Paris IV, France.

• History of Art

Subject Areas Taught: Greek, Hellenistic and Roman Art; Early Christian and Byzantine art and architecture; art and architecture of the early Middle Ages and Gothic period; the art of manuscript illumination in Mediaeval and early modern Europe; 13th to 15th century painting and sculpture in Italy; 15th and 16th century Renaissance and Mannerist painting north of the Alps; art, sculpture and architecture in Malta; Baroque art, sculpture and architecture; neo-classicism and romanticism; modern and contemporary art and architecture.

Areas of Research: Art in Malta: Mediaeval to Modern; Artistic Patronage of the Knights of St. John; South Italian Baroque; Christian Iconography; African Art.

International Links: *in the USA:* University of Delaware; The Metropolitan Museum of Art, New York; *in the UK:* University of Aberdeen; National Gallery, London; *in Italy:* Soprintendenza per i Poli Museali di Napoli; Accademia di San Luca, Rome; SACI, Florence; *in France:* Université de Paris-Sorbonne Paris IV; Musée de Cluny, Paris; University of Coimbra, Spain.

• International Relations

Subject Areas Taught: Theory of International Relations; Structure of International Society; International Institutions; Europe: Recent History; Foreign Policy; Security; The Mediterranean arena; Comparative Politics; Globalisation and International



Relations; Small Jurisdictions and International Relations; Malta in International Relations; Federalism; Conflict Resolution; International Criminal Court; International Terrorism; Media and International Relations; International Macro/Economics; International Law.

International Links: University of Bradford, UK; University of Reading, UK.

• Italian

Subject Areas Taught: Medieval, Modern and Contemporary Italian Literature; Italian Linguistics; The use of Italian in Malta and its peculiar features; Literary works in Italian by Maltese authors (16th to 20th centuries); Comparative Literature, especially Anglo-Italian and Italo-Maltese contacts and influences; The Romance Element in the Maltese language; courses in the Italian language for Maltese and foreign students at beginners and intermediate levels.

Areas of Research: Italian philology (*esp.* Medieval); Italian linguistics; The Romance element in the Maltese language; Textual criticism; Modern and contemporary Italian literature; Comparative literature; The European Lyric tradition; Anglo-Italian Comparative Literature; The teaching of Italian as L2; Language acquisition through the media; The role of plays and music in language teaching.

International Links: *in Italy:* Università di Cagliari; University of Catania; University of Florence; University of Genova; University of Macerata; University of Palermo; University of Pavia; University of Siena; University of Torino; University of Udine; University of Ca' Foscari, Venezia.

• Maltese

Subject Areas Taught: Introduction to Linguistics; varieties of Language; psycholinguistics (learning of L1 and L2); the Arabic Linguistic background of Maltese; the historical development of Maltese; Maltese phonetics, phonology, morphology and syntax; Maltese orthography; Maltese sign language; Maltese for communication purposes; language planning; the social history of the Maltese Language; the documentation of Maltese; Maltese folklore and ethnographical terminology. Introduction to Literature; literary theory and aesthetics; literary terminology; literary criticism; creative writing skills; the history of Maltese Literature; the Mediterranean context of Maltese Literature. Introduction to communicative Maltese (as a 2nd language).

Areas of Research: Maltese Linguistics and Grammar; Maltese Sign Language; History of the Maltese Language; Language contact; Language planning; Maltese Literature; Literary Criticism and Theory; Maltese Culture and Folklore.

Research Projects: Certificate in Proof-reading Maltese Course in collaboration with the *Kunsill Nazzjonali ta' l-Ilsien Malti* (National Council for the Maltese Language).

International Links: Université de Paris-Sorbonne Paris IV, *Association Internationale de la Dialectologie Arabe* (AIDA), Paris, France; Ben-Gurion University of the Negev, Israel; University of Leeds, UK; Notre Dame University, Indiana, USA; *L-Ghaqda Internazzjonali tal-Lingwistika Maltija*, Bremen, Germany; European Federation of National Institutions for Language (EFNIL), The Hague, Netherlands.

• Philosophy

Subject Areas Taught: History of Philosophy; Logic; Metaphysics; Philosophy of Mind; Epistemology; Ethics; Philosophy of Science; Aesthetics; Far Eastern Philosophies and Religions; Political Theory.

Areas of Research: Philosophy of Language; Philosophy of Action; Bioethics; Cultural Theory; Philosophy of Religion.

International Links: University of Genova, Italy; University of St Andrews, Scotland; Durham University, UK.

The Philosophy Society holds monthly meetings on topics of general philosophical interest.

• Sociology

Subject Areas Taught: Sociological Theory; Research Methodology and Methods; Social Inequality. Applied Sociology: Aging; Cities & Urban formations; Crime; Education; Family; Gender; Media, Politics; Professions; Religion; Tourism; Work & Organisation.

Areas of Research: Aging; Education; Family; Gender; Work & Organisation.

International Links: Various universities in Austria, France, Germany, Italy and Spain including: University of Vienna, Austria; *in Germany:* University of Augsburg; Johann Wolfgang Goethe-Universität, Frankfurt-am-Main; Friedrich-Alexander University, Erlangen-Nuremberg; Università degli studi di Roma 3, Italy; Erasmus University, Rotterdam, The Netherlands.

• Translation & Interpreting Studies

Subject Areas Taught: Theory and Practice of Translation; Theory and Practice of Interpreting; Professional Issues in Translations; Consecutive and Simultaneous Interpreting; Translation for Specific Purposes; The EU and international institutions; Language Enchancement; Language Analysis Concepts and Skills; Computer-Aided Translation; Multilingualism and Contrastive Linguistics of Maltese and English.

Areas of Research: Familiarise students with specialised terminology of new subject areas for the purpose of translation and interpreting; undertake the independent translation of a range of institutional or technical texts to a professional standard; undertake interpreting assignments of a liaison, consecutive and simultaneous type; undertake revision and editing of translations.

Research Projects: Project with European Commission - Translation Unit: To develop and strengthen the capacity of Malta to meet its operational demands in the area of translation arising from EU membership. The project will assist in the procurement of the necessary software to set up a terminology centre for the training of students, and in the establishment of glossary of Maltese terminology.

International Links: The European Commission - SCIC (Interpreting Division); The European Parliament (Interpreting Division); Université de Provence, France; *in Italy:* University of Bologna, Forli; Università San Pio V, Rome; University of Westminster, UK.

Faculty Publications

Humanitas: Journal of the Faculty of Arts

Journal of Maltese Studies

Lehen il-Malti (publication of Ghaqda tal-Malti - Università)

FACULTIES

Faculty of Dental Surgery

Medical School,
Mater Dei Hospital,
Tal-Qroqq

Email: dental-dept@um.edu.mt



THE DIPLOMA OF SURGEON DENTISTRY is listed among the new courses introduced by the University in 1906. The first course leading to a degree in Dental Surgery at the University of Malta, commenced in 1933. The qualification was recognized by the Medical Council of the United Kingdom in 1936. The Faculty of Dental Surgery was officially established as the University's seventh faculty on 25th May 1954 previous to which the course was under the direction of a Board of Studies within the Faculty of Medicine and Surgery.

Courses Offered

Undergraduate:

Bachelor of Dental Surgery

Postgraduate:

M.Phil./Ph.D.

Departments

- Dental Surgery

• Dental Surgery

Subject Areas Taught: Anatomy; physiology and biochemistry; clinical medical sciences; behavioural sciences; general pharmacology; preventive and community dentistry; restorative dentistry; oral medicine; oral surgery; oral pathology; child dental health and orthodontics.

Areas of Research: Osseointegrated Dental Implants; Root Canal Obturation; Periodontal Disease and Diabetes Mellitus; Cystic Lesions of the Jaws; Oral Cancer in Malta; Genetics of ectopic teeth and associated anomalies; Dental development of children; Effects of trauma to anterior teeth.

International Links: University of Toronto, Canada; *in the UK:* University of Cork, Ireland; University of Glasgow, Scotland; University of Edinburgh, Scotland; King's College London; University of Wales at Cardiff.

FACULTIES

Faculty of Economics, Management and Accountancy

Tel: 2340 2714

Fax: 2131 7782

Email: fema@um.edu.mt

THE FACULTY OF ECONOMICS, MANAGEMENT AND ACCOUNTANCY was set up in 1978 and initially awarded degrees at Honours level in Business Management, Public Administration and Accountancy. Later, other areas of specialisation were introduced, namely: Economics; Banking and Finance; Marketing; Public Policy; Social Policy and Tourism. The Faculty has fast become one of the largest faculties, offering a wide range of commerce-oriented diploma, undergraduate and postgraduate programmes.

Courses Offered

Diploma:

Diploma in Commerce
Diploma in Management Studies
Diploma in Political Studies

Undergraduate:

Bachelor of Accountancy (Honours)
Bachelor of Commerce (Honours)
Bachelor of Arts [Social Work] (Honours)
Bachelor of Arts [Social Policy] (Honours)
Bachelor of Arts [Tourism Studies] (Honours)
Bachelor of Commerce
Bachelor of Science [Business & Computing]

Departments

- Accountancy
- Banking & Finance
- Economics
- Management

Postgraduate:

Master of Business Administration
Master of Business Administration (e-Business)
Executive Master of Business Administration
Master of Arts in Economics
Master of Arts in Economics of Competition Law
Master of Arts in Public Policy
M.Phil./Ph.D.

- Marketing
- Public Policy
- Social Policy & Social Work
- Tourism Studies Programme

• Accountancy

Subject Areas Taught: Accounting Theory and Practice; Taxation; Company and Commercial Law; Auditing; Information Systems.

Areas of Research: Consolidated Financial Statements; International Accounting Regulation; History of Accounting.

International Links: Neu-Ulm University, Germany; University of Cologne, Germany; *in the UK:* University of Birmingham; University of Glasgow; London School of Economics and Political Science; University of Warwick; University of Illinois, USA.

• Banking & Finance

Subject Areas Taught: Banking; Finance *incl.* law relating to Malta's Financial Services; Econometrics; Microeconomics; Macroeconomics; Business Management; Operations Research; Consumer & Organisation Buying Behaviour; Accounting; Marketing Management; Management of IT; Insurance; Investments; International Financial Markets; Banking Regulation; Risk.

Areas of Research: Offshore Centres; European Monetary Union; Credit Risk Management in Banks; Hedging of Exchange Rate Risk; International Portfolio Management.

International Links: in the UK: University of Wales; University College, Dublin; University of London; University of Warwick.

• Economics

Subject Areas Taught: Economics and Finance.

Areas of Research: Agriculture Economics; Competitiveness Strategies for Small States; Economic Modelling; Economic Vulnerability; EMU and Accession Countries; European Union Studies; Export Competitiveness; Globalization and Regional Economics; Public Sector Issues; Small Island Developing States; Sustainable Development; The Maltese Economy; Welfare Economics.

Research Projects: The Development of a Resilience Index with a special focus on small states in collaboration with the Commonwealth Secretariat, London.



International Links: University of the South Pacific; *in the UK:* University College, Dublin; University of Leicester; University of Manchester; University of Nottingham; University of Oxford; Commonwealth Secretariat, London; World Bank, Washington, USA; University of the West Indies and many others.

• Management

Subject Areas Taught: Business Management; Organisational Theory; Communication and Presentation Skills; Informatics; Operations Research; Human Resource Management; Management of International Organisations; Operations Management; Managerial Quantitative Techniques; Research Methods; Entrepreneurship; Corporate Strategy; Tourism Management; Business Ethics; Project Management; Commercial Law; Service Management; Decision Making in the EU.

Areas of Research: Internationalisation; International Business Strategy; Competitiveness Issues; Knowledge Management; Action Learning; Action Research; Entrepreneurship in Small Firms; Business Network; Supply Chain Process; Service Design; Heritage Tourism; Tourism Development.

Research Projects: Euromed Med Voices.

International Links: Monash University, Australia; University of Le Havre, France; *in Germany:* University of Neu Ulm; Rheinische Fachhochschule; *in the UK:* London Metropolitan University; University of Birmingham.

• Marketing

Subject Areas Taught: Introduction to Marketing; Consumer Behaviour; Business to Business Marketing; International Marketing and Export Management; Innovative Products Management; Applied Marketing Management; Retailing and Sales Management; Integrated Marketing Communications; Direct Marketing and Electronic Commerce; Services Marketing; Marketing Research; Financial Aspects of Marketing; Consumerism; Strategic Marketing Management; Marketing Management and Advanced Marketing Management.

Research Areas/Projects: Psychographic - Survey of Maltese Lifestyles; The Regulation of Markets; Consumerism in Malta.

International Links: University College – Vitus Bering, Denmark; Neu Ulm University of Applied Sciences, Germany.

• Public Policy

Subject Areas Taught: Government and Policy Studies with special reference to Malta and other micro-states; public sector management; policy analysis and decision making; policy-making; human development; supra-national governance; family policy and industrial relations.

Areas of Research: History of Governing Institutions; Public Policy issues relating to Gender; public sector management; local councils; impact of EU membership on public service; family issues and poverty issues.

International Links: International Association of Institutes and Schools of Public Administration; Commonwealth Association of Public Administration and Management; European Institute of Public Administration. University of Canberra, Australia; Institute of Social Studies, The Hague; University of Plymouth, UK.

• Social Policy & Social Work

Subject Areas Taught: Social and Environmental Studies; Social Sciences; Social Policy; Sociology, Psychology; Social Work; Social Administration.

Areas of Research: Model for Mental Health Community Care; Experience of Social Work Supervision; Equal Opportunities in Social Work; Supported living as alternative to residential services; Theories of Women's psychological development; Development of a model linking social work and counselling psychology.

International Links: Monash University, Melbourne, Australia; *in the UK:* University of Aberdeen; University College, Dublin; University of East Anglia; University of Strathclyde, Glasgow; Christ Church University, Kent; University of Leicester; De Montfort University, Leicester; London School of Economics; University of Manchester; University of Nottingham.

• Tourism Studies Programme

Subject Areas Taught: Introduction to Hospitality; Tourism Principles and Practices; Tourism & Society; International Tourism Development; Spatial Planning and Tourism; Tourism and the Arts; Tourism Marketing; Tourism Economics; Work and Leisure; Tourism and Environmental Studies; Management of Culture; E-Tourism; Malta's Tourism Development; Social & Cultural Perspectives of Tourism; Heritage Management & Interpretation; Fieldwork Sessions; Sustainable Tourism

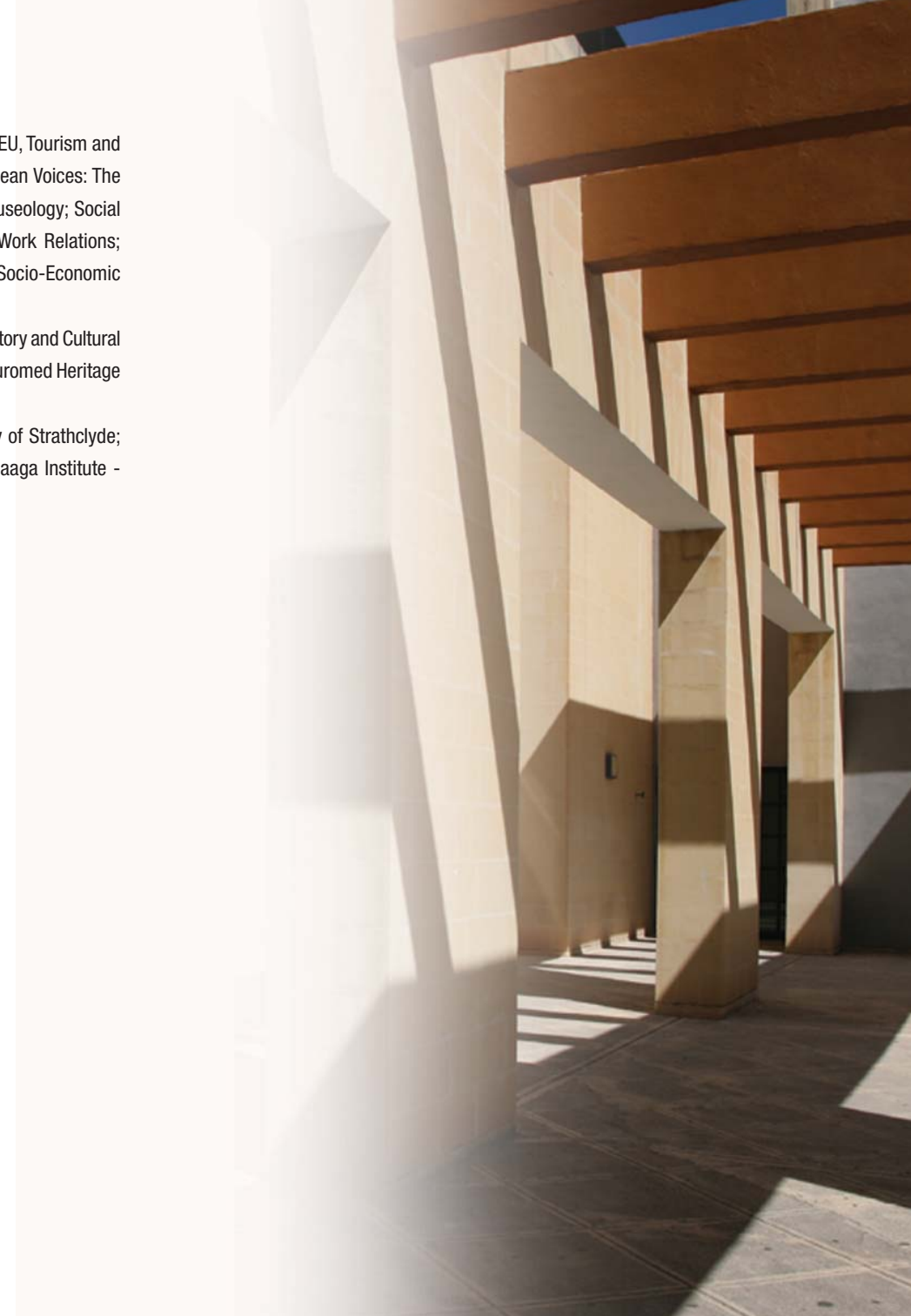
Development; EU Law and Tourism; Law Relating to Tourism; The EU, Tourism and Malta; Tourism Branding; Tourism Research Methods; Mediterranean Voices: The Intangible Heritage in an Urban context; Tourism Case Studies; Museology; Social Impact Assessment; Transportation Management; Tourism and Work Relations; Events and Conventions Management; Current Issues in Tourism; Socio-Economic Issues in Tourism; Advanced Tourism Management.

Areas of Research: Tourism Strategy; Mediterranean Voices: Oral History and Cultural Practices in Mediterranean Cities; Malta's Gastronomic Heritage; Euromed Heritage (DELTA) Project.

International Links: Canterbury Christ Church College; University of Strathclyde; London Metropolitan University; Savonia Politechnik - Helsinki Haaga Institute - Finland; Perriganeaux-France; Bremen Institute-Germany.

Faculty Publications

The FEMA Research Bulletin



FACULTIES

Faculty of Education

Tel: 2340 2932

Fax: 2131 7938

Email: educ@um.edu.mt

Website:

<http://www.educ.um.edu.mt>



THE FACULTY OF EDUCATION was set up in 1978. Its main concern was pre-service teacher training, a role that had previously and since the postwar years been fulfilled by the two training colleges - St. Michael's for men and the *Mater Admirabilis* for women. Between 1972 and 1974, teacher training was provided by the Malta College of Education and the Department of Educational Studies and subsequently, at the then Malta College of Arts, Science & Technology (MCAST), up to 1978. Since 1980, the Faculty of Education has taken on a variety of roles that are linked to a wider conception of education and training. However, its main focus remains pre-service and in-service teacher education. The training of psychologists also falls under its umbrella.

Courses Offered

Certificate:

Certificate/Diploma in IT in Education

Diploma:

Diploma in Adult Education

Diploma in Adult Training & Development

Diploma in Computer Studies Education

Diploma in Facilitating Inclusive Education

Diploma in IT in Education

Undergraduate:

Bachelor of Education (Honours)(Primary Education)

Bachelor of Education (Honours)(Secondary Education)

Bachelor of Psychology (Honours)

Bachelor of Arts (Honours) [Youth & Community Studies]

Postgraduate:

Postgraduate Certificate in Education

Postgraduate Certificate in Education (Teaching Pupils with Dyslexia)

Postgraduate Certificate in Facilitating Inclusive Education

Postgraduate Diploma in Inclusion and Special Educational Needs

Postgraduate Diploma in Education (Administration and Management)

Postgraduate Diploma in Education (Inclusion and Individual Educational Needs in Primary Schools)

Postgraduate Diploma in Career Guidance

Postgraduate Diploma in School Counselling

Master of Arts in Educational & Career Guidance

Masters in Education in: Adult Education; Applied Language Studies; Curriculum Development & Evaluation; Curriculum Studies; Educational Assessment & Evaluation; Educational Leadership; Educational Research; Inclusion and Individual Educational Needs; Information & Communication Technology; Leadership; Literacy Development; Philosophy of Education; Planning & Management; Primary Curriculum; Primary Education; Primary Social Studies; Responding to Student Diversity; Science Education; Social, Emotional & Behavioural Difficulties; Teaching English as a Foreign Language (TEFL); Teaching History

Master in Early Childhood Education and Care

Master in Psychology in: Clinical; Counselling or Educational Psychology

Masters in Youth & Community Studies

M.Phil./Ph.D.

Departments

- Arts & Languages in Education
- Education Studies
- Mathematics, Science & Technical Education
- Primary Education
- Psychology
- Youth & Community Studies

Programmes:

Adult Education

Comparative Education

Education in Corrective Facilities

Critical & Creative Thinking in Education

Teaching English as a Foreign Language

Teaching for Diversity

Inclusive Education

Physical Education

Resources, Information & Computer Technology in Education (RICTE)

Culturally Responsive Education

• Arts & Languages in Education

Subject Areas Taught: Methodology of: Maltese; English; Italian; German; French; Spanish; History; Religion; Music; Art and Social Studies. Related aspects of e-learning.

Areas of Research: Methodology of: Maltese; English; Italian; German; French; Spanish; History; Religion; Music; Art and Social Studies. Related aspects of e-and m-learning. First/Second Language Acquisition and Methodology.

Research Projects: FP6 UNITE Language learning via e- and m-learning; *LINGUA*: FEEL (Fun, Easy, Effective way of learning Languages); LINGU@NET EUROPA; TOOL - On-Line Language Learning Materials Design and Development; EUROPODIANS Language learning via ipods; ELNPlus - Language learning via the Internet. *EUMEDIS*: ODISEAME (Open Distance Inter-University Synergies between Europe, Africa and Middle East). TNP3 (Thematic Network Project in the Area of Languages III).

International Links: UNESCO; American Educational Research Association (AERA); British Educational Research Association (BERA); International Association of Teaching of English as a Foreign Language (IATEFL); Associazione Italiana di Linguistica Applicata (AITLA).

• Education Studies

Subject Areas Taught: Educational Theory: philosophy sociology and psychology of education. Also provides instruction in a variety of related and interdisciplinary fields, including: history of education, research methods, policy-making, comparative education; curriculum studies, adult education and gender and education.

Areas of Research: Comparative education focussing on the Mediterranean region, and on the EU; Vocational Education and Training, and Lifelong Learning; Education

in Prisons and closed institutions; Ethnographies of school; Antonio Gramsci, Paulo Freire, Lorenzo Milani; Workers' Education, Critical Pedagogy; Feminist philosophy, theory and pedagogy; Narrative theory and research.

Research Projects: Career guidance in education and the labour market across the EU; The 'learning society' in the EU and beyond; Curriculum Development in the Primary Schooling; Skills Validation process for prisoners; Adult Education in Malta and in S. Europe *incl.* Gramsci's southern question and its relevance for adult education in the Mediterranean; Multi-ethnic Research: Educating for Open mindedness. A Primary school narrative; Partner in FP7: *Religious education in a multicultural society: school and home in comparative context* (REMC) submitted under SSH-2007-3.3.1 *Cultural interactions and multiculturalism in European societies*.

International Links: Instituto Paulo Freire, São Paulo, Brazil; Prison Service Administration in various European countries; Research projects in collaboration with several organisations, including the ILO, the European Commission, the OECD, the European Training Foundation, CEDEFOP, UNESCO, and UNICEF.

• Mathematics, Science & Technical Education

Subject Areas Taught: DMSTE offers programmes of study in the following teaching areas: Computing, Geography, Mathematics, Nutrition, Family & Consumer Studies, Physical Education, Science with specialisation in Biology or Chemistry or Physics, Technical Design & Technology as part of a four-year full-time B.Ed. (Hons.) course; Business Education, Computing, Geography, Mathematics and Science as part of a one-year full-time PGCE course; ICT in Education and Science Education as part of a two-year part-time M.Ed. course. DMSTE offers study-units in the following teaching areas: Environmental Education; Resources & ICT in Education; Health Issues and Health Education. DMSTE is responsible for the following courses: Certificate in IT in Education/Diploma in IT in Education; Certificate/Diploma in Computer Studies Education.

Areas of Research: *Various aspects of:* Business Education; Computing Education; Environmental Education; Geography Education; Mathematics Education; Nutrition, Family & Consumer Studies; Physical Education; Resources & ICT Education; Science Education; Technical Design & Technology Education; Educational assessment

issues; Evaluation of MATSEC examinations; Gender issues in education; NMC (National Minimum Curriculum) implementation; Qualitative research methods; Quantitative research methods; Vocational education & training.

Research Projects: *FP6 project* - Biology, health and environmental education for better citizenship; *FP6 project* – INCLUD-ED - The project addresses the question of how education contributes to social cohesion in a knowledge based society; *Socrates Project* - Aligning a European Higher Educational Structure In Sport Science (AEHESIS); *European Commission Project - Sport in the European Union; Council of Europe (ECML) project - D1-BLOGS* - This project focuses on the design of Web 2.0 technologies for constructivist pedagogies with particular application to language education; Integrating environmental and social issues in the teaching of Business Education.

International Links: University of Salzburg, Austria; University of Joensuu, Finland; *in France:* University of Le Havre; University of Limoges; Harokopio University, Greece; *in Italy:* University of Modena; University of Reggio Emilia; Vilnius Pedagogical University, Lithuania; Consumer Citizenship Network coordinated by the University College of Hedmark, Norway; University of Ljubljana, Slovenia; University of Santander, Spain; Karolinska Institutet, Sweden; *in the UK:* University of Bath Spa; University of Durham; University of Liverpool Hope; Liverpool John Moores University; University of Loughborough; University of Portsmouth; University of Westminster. In collaboration with the Institute of PE & Sports, the DMSTE is currently formulating research and cooperation links with The European Network of Sport Science, Education and Employment (ENSSEE); European Physical Education Association (EUPEA).

• Primary Education

Subject Areas Taught: Methodological aspects of all subjects that are compulsory components in the primary school curriculum (8 subjects). Study units in issues that are relevant and crucial to primary school teaching and the personal development of primary school teachers (*for example:* assessment; health education; inclusive education & disability issues; literacy difficulties; ICT across the curriculum; psycho-social issues; classroom and school management).

Areas of Research: Innovative pedagogies in the teaching of various subject areas; teachers, parents and children's attitudes towards curricular changes, innovations

etc.; language and literacy development; bi-lingualism; Maths and Science Education in the primary school context; drama, art and expressive arts in education; policy development in early years; quality in early childhood education & care; diversity, empowerment through programmes such as *Let Me Learn*.

Research Projects: *Need to be more specific* Research projects partly funded by the EU. These include FP6, RTDI, Erasmus, Comenius projects amongst others.

International Links: Hogeschool Katho, Belgium; University of Cyprus; Martin Luther University, Germany; University of Perugia, Italy; Oslo University College, Norway; University of Minho, Portugal; University of Barcellona, Spain; Goteborg University, Sweden; *in the UK:* University of Birmingham; Dublin Institute of Technology; University of Dundee; University of Exeter; University of Strathclyde, Glasgow; King's College, London.

• Psychology

Subject Areas Taught: Developmental Psychology (Child); Psychological Assessment (child and adolescent and disability); Inclusive Education; Developmental Psychopathology; Transdisciplinary Teamwork; Alternative and Augmentative Communication.

Areas of Research: Inclusive Education; Children with Autism; Down Syndrome and ADHD; Stress in families of children with disabilities; forms of support.

Research Projects: with University of Padova; University of Hong Kong; Uludag University, Turkey.

International Links: University of Caen, France; *in Italy:* University of Padova; Istituto universitario delle scienze motorie, Roma; *in the UK:* University of Bath; Liverpool Hope University.

• Youth & Community Studies

Subject Areas Taught: Youth and Community Studies.

Areas of Research: Youth Policy issues; Criminal / Addictive Behaviour; Social Psychology issues (*eg.* stigma); Youth Subcultures; Youth and Music; Youth and the Media; Autoethnography; Career guidance for persons with disability; Non- / Informal education; Schools as community learning centres.

Research Projects: Risk and Resiliency Research Project; National Action Plan - Youth and Social Exclusion; The Complementarity Values of Non-formal education to the Formal; National Youth Agency Project.

International Links: Council of Europe/European Commission Partnership Agreement; Department of Applied Social Sciences, University of Wales, Swansea.

Faculty Publications

Trends - The Monograph Series

Journal of Maltese Education Research (online journal)



FACULTIES

Faculty of Engineering

Tel: 2340 2440

Fax: 2134 3577

Email: eng@um.edu.mt

Website:

<http://www.eng.um.edu.mt>

FORMAL TRAINING IN ENGINEERING started at the Polytechnic (also known as the Malta College of Arts, Science and Technology [MCAST]) in the mid 1960s. However, the course was regulated under the University's Faculty of Architecture and Civil Engineering. In the 1970s, with the merger of MCAST and the University, the courses moved to the main campus. In 1987, Engineering became an independent faculty and was known as the Faculty of Mechanical and Electrical Engineering later becoming the Faculty of Engineering in the 1990s.

Courses Offered

Diploma:

Diploma in Engineering [Total Quality or Industrial Engineering]

Diploma in Operational Island Hydrology

Undergraduate:

Bachelor of Engineering (Honours)

Departments

- Electronic Systems Engineering
- Industrial Electrical Power Conversion
- Industrial & Manufacturing Engineering
- Mechanical Engineering
- Metallurgy & Materials Engineering
- Systems & Control Engineering

• Electronic Systems Engineering

Subject Areas Taught: Analogue and Digital Electronics; Electronic Systems; Instrumentation and Measurement; Hardware Description Languages; VLSI Design; Physical Electronics; Electronic Materials.

Areas of Research: Avionics; Microelectronics; RF IC Design; Sensor Design; Electronic System Design; Digital Integrated Circuits and FPGAs; Speech Processing & Hardware Implementation.

Research Projects: EU FP6 Integrated Project 'FLYSAFE' - aeronautics project concerning the reduction of aircraft collisions; EU FP6 Integrated Project 'SENSATION' - project concerning the development of a vision-based system for driver alertness

Postgraduate:

Master of Science in Engineering [Electrical]

Master of Science in Integrated Product Development

M.Phil./Ph.D.

and body-area networks; EU FP6 Integrated Project 'e-CAB' - project concerning multimedia services in aircraft passenger cabin; Internal research projects in: (a) Development of an Unmanned Air Vehicle; (b) Low-Voltage IC Design.

International Links: University of Valencia, Spain; *in the UK:* Rutheford Appleton Laboratory; University of Cranfield; McDonnell Centre for the Space Sciences, USA. The department provides the following Industrial Services: custom electronic system design services; electronic instrument calibration services; electronic equipment repair.

• Industrial Electrical Power Conversion

Subject Areas Taught: Electric Circuit Theory, Power Electronics; Industrial Electronics, Power Quality and EMC in Power Converters; Electrical Machines; Control of Electric Drives; Electrical Power Engineering; Electrical Energy Utilisation; Commercial and Industrial Electrical Systems.

Areas of Research: Sensorless Control of Electric Drives, Novel power electronic circuit design and control; Industrial power converter design; Renewable Energy Systems (RES); Grid Connection of RES; Power quality analysis; Power factor correction; Battery technology; Electric motor control; dc and ac motor drives; Land and Marine Electric Transportation.

Research Projects: Marie Curie Fellowship on Electrical Energy Conversion and Conditioning Technology; Electric Boat Project sponsored by Ministry of Rural Affairs & Environment, MTA and MiddleSea Valletta Life Assurance; Solar Water Heating project sponsored by Abertax Ltd.; Battery Technology Systems project sponsored by Abertax Ltd.; Grid-connected power converter design sponsored by Carlo Gavazzi; University internal grants on Control of Electric Drives, Matrix Converters, Power Quality and Grid-connected Wind Turbines.

International Links: School of Electrical and Electronic Engineering, University of Nottingham, UK., Universitat Politècnica de Catalunya (UPC), Barcelona, Spain, University of Catania, Italy.

• Industrial & Manufacturing Engineering

Subject Areas Taught: Computer-Aided Engineering Design; Engineering Design; Mechatronics; Industrial Robotics; Manufacturing Automation; Advanced Manufacturing Processes; Machining Processes; Computer Integrated Manufacturing; Quality



Management and Control; Industrial and Environmental Engineering; Applications of Artificial Intelligence in Engineering.

Areas of Research: Design for X; Computer Support for Engineering Design; Collaborative Design; Micromachining of Biomedical devices; Robot grasping and manipulation; Safety and Control in Manufacturing; ICT in Manufacturing; pedagogic methods including e-Learning and m-Learning.

Research Projects: Mobile learning through the use of mobile technologies (mi-learning); Emotional Support Tool for Remote Early Product Design (ESTRED); EU-funded projects - A Framework for Strengthening Asian Higher Education on Advanced Design and Manufacture (FASTAHEAD); Co-ordination by Best Practice exchange and Knowledge building by NMP-NCPs in an Enlarged European Research Society (COOREERS).

In addition, the department works in close collaboration with industry on applied research projects covering different aspects of design and manufacturing.



International Links: Technical University of Denmark, Denmark; Technical University of Berlin, Germany; Troyes University of Technology, France; Institute for Applied Mathematics and Information (IMATI) CNR, Italy; *in the UK:* Lancaster University; University of Strathclyde.

• Mechanical Engineering

Subject Areas Taught: Thermodynamics and Heat transfer; Fluid Dynamics; Solid Body Mechanics - Statics, Kinematics, Dynamics; Mechanics of Materials, Stress analysis, Finite element analysis; Vibrations and Sound; Environmental Engineering; Engineering Design.

Areas of Research: pressure vessel design & structural integrity; Biomechanics; Heat Transfer; Internal Combustion Engine Simulation; Electronic Engine Controls; Wind Energy; Solar Energy; Environmental Engineering.

Research Projects: Biomechanical feedback of spinal implant; Plastic collapse loads of pressure vessel components; Shakedown analysis under thermo mechanical loads; Turbocharging internal combustion engines; Homogenous Charge Compression Ignition. EU Leonardo da Vinci project *Certification of competences for the Power and Pressure Systems Industry* in conjunction with University of Strathclyde, University of Stuttgart, NAFEMS (UK), CETIM (France) & Polytechnic University of Warsaw. Grundtvig 2 project on *Virtual Museum as Innovative Tool for Adult Education*; MCST RDTI project on High Air Temperature Combustion; Task 38 on Solar Cooling of the International Energy Agency's Solar Heating and Cooling Programme. The Department is participating in the Formula SAE competition.

International Links: Brno University of Technology, Czech Republic; University of Nottingham, UK; Oakland University, USA.

• Metallurgy & Materials Engineering

Subject Areas Taught: Material Science; Physical Metallurgy; Metallurgical Manufacturing Processes; Joining and Welding; Ceramics; Characterisation of Materials; Advanced Materials and Composites.

Areas of Research: Development of coatings and surface modification technologies, including nano-using IBAD and magnetron sputtering facilities; Laser tool repair and rapid manufacturing; Austempered Ductile Cast Iron (ADI); Modification of biomaterials using plasma; thermochemical treatments.

Research Projects: Tribological & Mechanical characteristics of Shot Peened and Surface Engineered ADI gears – a COST 532 project; LASTED – Laser Technology Educational Network; MinSE – M.Sc. European Masters' in Heat Treatment and Surface Engineering – a Socrates Programme; LATRE - Laser Tool Recovery; PROMET – Corrosion Protection of artefacts an FP6 Project; INNOV@TE - Development of innovative teaching methods for Surface Engineering - a Leonardo Project; TREE – Curriculum development for European Engineers; Coating Development for Swarovski and Co Ltd and Welldone - commissioned research; SUNDEST – Solar Desalination.

International Links: *in Austria:* Swarovski; Welldone; *in Germany:* University of Clausthal; University of Keel; Miskolc, Hungary; *in Romania:* Targi-Mures; Plasmaterm SA; *in the UK:* University of Birmingham; University of Leeds; Bodycote; Tecvac; AdSurfEng; International Federation of Heat Treatment and Surface Engineering; Institute of Materials, Mining and Minerals.

• Systems & Control Engineering

Subject Areas Taught: Automatic Control Engineering; System Dynamics; Systems Theory; Signal Processing; Image Processing; Computer Vision; Computational Intelligence.

Areas of Research: Adaptive control systems; Intelligent control systems; Neural network modelling and control of complex systems; Robot control; Signal and Image Processing and Computer Vision; Computational Intelligence; Biomedical applications of control; Biomedical Signal & Image Processing.

Research Projects: National RTDI 2004 '3D-Head' - computer vision project concerning the development of a low-cost, portable 3D vision system; National RTDI 2004 grant on Computational Intelligence Techniques for Control of Complex Systems; EU FP6 Network of Excellence 'BIOPATTERN' - integrating and joint research activities concerning bio-profiling mainly using brain signals; Internal research projects in: (a) Brain Activity Source Localisation & Brain-Computer Interfacing; (b) Nonlinear and Adaptive Control Systems (c) Sketched Hand-Drawing Image Analysis and Interpretation System; (d) Visual Servoing.

International Links: RMIT, Australia; Technical University of Crete, Crete; Ecological University of Bucharest, Romania; University of Madrid 'La Mancha,' Spain; University of Plymouth, UK; Department of Automatic Control and Systems Engineering, University of Sheffield, UK; University of Lecce, Italy.

The department provides the following Industrial Services: Thermal imaging (thermography) services; machine vision design and consultancy services, automation consultancy services.

Faculty Publications

Final Year Engineering Students' Projects Abstracts



FACULTIES

Faculty of Information & Communication Technology (ICT)

Tel: 2340 3079

Fax: 2134 3577

Email: ict@um.edu.mt

Website:

<http://www.um.edu.mt/ict>



THE FACULTY OF ICT (Information & Communication Technology) was officially established as the University's eleventh Faculty in May 2007 following a Council decision. The new Faculty replaces the former Board of Studies for Information Technology which had regulated courses in IT since 1995 through the participation of one department in the Faculty of Engineering and two in the Faculty of Science. The new Faculty bears witness to the all encompassing importance of ICT in the 21st century.

Courses Offered

Diploma:

Diploma in IT

Higher Diploma in IT

Undergraduate:

Bachelor of Science (Honours) in:

- Computer Science & AI
- Informatics
- Communications & Computer Engineering (with electives in Microelectronics & Nanoelectronics)
- ICT

Postgraduate:

Master of Science

Master in IT (a conversion Masters for graduates in other disciplines)

M.Phil./Ph.D.

Departments

- Artificial Intelligence
- Communications & Computer Engineering
- Computer Information Systems
- Computer Science
- Microelectronics & Nanoelectronics

• Artificial Intelligence

Subject Areas Taught: Programming Languages and Paradigms (Object Oriented Programming; Logic Programming; Imperative Programming); Machine Learning; Search; Adaptive Systems; Human Language Technologies; Natural Agent Technology; Semantic Web; eLearning; Bioinformatics; Problem Solving.

Areas of Research: Adaptive Hypertext; Human Language Technologies; Machine Learning; Search Techniques; Semantic Web; eLearning; Bioinformatics; Simulation.

Research Projects: LT4eL (FP6) Language Technology/Elearning; REVERSE (FP6) Semantic Web; MLRS (RTD) Human Language Technologies; COLLEGE (UoM) eLearning. The Department hosts an Erasmus Mundus Master Programme in Language and Communication Technologies.

International Links: University of Sofia, Bulgaria; Charles University Prague, Czech Republic; University of Nancy, France; University of Saarbrücken, Germany; University of Bolzano, University of Trento, Italy; University of Groningen, University of Utrecht, The Netherlands; University of Iasi, Romania; University of Gothenburg, Sweden; University of Geneva, University of Lugano, Switzerland; *in the UK:* Universities of Kent, Oxford, Sheffield and the Open University.

• Communications & Computer Engineering

Subject Areas Taught: Communications Theory and Systems; Computer and Data Networks; Signal Processing; Image and Speech Processing; Information Security;

Computer Programming; Microprocessors and Embedded Systems; Computer Architecture; Radio Systems; RF and Microwave Engineering.

Areas of Research: Wireless Applications; Infrastructure-less wireless networks and cognitive radio; Antennas for mobile communications; Computer Modelling and KiCAD Coding and its applications; Security; Speech technology related to the Maltese language; Multimedia broadband for virtual classroom; Signal processing applications; Multimedia Indexing; Multimedia Communications; RTOS for Microcontrollers.

Research Projects: FPGA Implementation of a Speech Recognizer; TWISTER (Terrestrial Wireless Infrastructure integrated with Satellite Telecommunications for E-Rural); START (STimulate Aerospace Research and Technology in Associate Candidate Countries); Compact Antenna Structures for dual-band wireless LAN applications; Content Based Multimedia Retrieval with Ordered Relevance Feedback, e-CAB.

International Links: ST Microelectronics; Eutelsat S.A.; Elber srl; University of Lecce, Italy; Oakland University, USA.

• Computer Information Systems

Subject Areas Taught: Information Systems: Theory and Practice; Programming (including OOP, Web Programming, .NET and JAVA); Developing methodologies including UML, Real time, SSADM, DSDM and SSM; IT project management; Databases (Data Models, Database Languages, Data Mining); Client/Server Computing and Distributed objects and Databases; Applied Web Engineering and





e-Business; Applied Software Frameworks and Applications; Network and Communication Issues; Business and Office Computing and Workflows; Enterprise Resource Planning and Management; IT Strategy and eStrategy; Scientific and Management Science computer simulation and modelling; Security, Quality and Risk issues in IT; IS Applied Software Engineering including testing methodologies.

Areas of Research: Object Oriented Platforms, Languages and Techniques in distributed environments; System methodologies including real-time and Petri nets; Data modelling systems including spatial-temporal modelling; IT strategic management including e-strategy, ERP and software lifecycle Management; Quality Assurance Frameworks in IT; Genetic Algorithms and Bioinformatics.

Research Projects: EIE Surveyor (Erasmus Project) in collaboration with University of Grenoble, France.

International Links: Interactive Graphic Systems Lab (WSI-GRIS), University of Tübingen, Germany; Quality Consortium, Pisa, Italy; Computer Science Department, University of Greenwich, UK; Centre for Biomedical Image Analysis, Masaryk University, Brno, Czech Republic.

• Computer Science

Subject Areas Taught: Algorithmics; Programming Concepts and Paradigms; Object Orientation; Internet Technologies; Complexity; Formal Methods; Software Engineering; Operating Systems; High Performance Computing; Grid Technologies; Distributed Computing; Programming Languages; Systems Security; Human-Computer Interface Design, Verification and Testing.

Areas of Research: High Performance Computing; Grid Technologies; Hardware Verification; Formal Methods; e-Learning Systems; Software Engineering and Process Improvement.

Research Projects: Various projects are in hand undertaken by the following research groups: Semantics and Verification Research Group (SVRG); Software Engineering Process Improvement (SEPI); Systems Software Research Group (SSRG).

International Links: University of Sofia, Bulgaria; Charles University Prague, Czech Republic; University of Nancy, France; University of Saarbrücken, Germany; University of Trento, Italy; University of Groningen, University of Utrecht, The Netherlands; University of Iasi, Romania; University of Gothenburg, Sweden; University of Geneva, University of Lugano, Switzerland; *in the UK:* Universities of Bristol, London, Oxford, Strathclyde and the Open University.

The Department organises the Annual Computer Science Research Workshop (CSAW). The proceedings may be viewed online at: <http://www.cs.um.edu.mt/~csaw/> As of the academic year 2007/8, the workshop will be organised by the Faculty of ICT as a faculty event.

• Microelectronics & Nanoelectronics

Subject Areas Taught: Microelectronics; Nanoelectronics; IC Design; Embedded Systems; Miniaturized Sensors; System-in-package or System-on-chip; Hardware description Languages.

Areas of Research: Analogue low voltage / low power IC design; Hardware implementation of Neural networks; High Speed data converters; Radio Frequency Circuits; MEMS devices; Quantum-well structures; FPGA implementation of digital systems.

Research Projects: Design of a low voltage low phase noise 1.6 GHz PLL in 130 nm CMOS technology with quadrature output; Design of a camera interface system for mono and stereo view applications (Part of FP6 Integrated Project SENSATION); Design of a wireless sensor communication module for medical sensors (Part of FP6 Integrated Project SENSATION).

International Links: *In Italy:* ST Microelectronics SRL., Catania; University of Pavia; University of Surrey, UK.

Faculty Publications

Final Year Information Technology Students' Projects Abstracts

FACULTIES

WITH THE SETTING UP of a *Pubblica Università di Studi Generali* under Grand Master Pinto (22 November 1769), Public and Civil Law, Church History and Canon Law also started to be taught. At this point, the full university course lasted eight years and led to the traditional professional courses of Theology, Jurisprudence and Medicine. Academic studies began properly with the course of Philosophy (Logic, Metaphysics, Ethics), Physics and Mathematics, the completion of which - after, of course, enough instruction had been given in general literature - led to the degree of Master of Arts. Having obtained this degree, which was a “must”, a student could supplicate to read Theology, Law or Medicine, each of these courses lasting five years. At the end of the second year, they would receive the bachelorship and at the end of the fourth year, the Licentiate. The Doctorate was conferred after the completion of the fifth year; the candidate having satisfied all the conditions prescribed, written a thesis and debated publicly two arguments assigned to him twenty-four hours before.

In the Faculty of Laws, the Professor of Civil Law lectured on the Statutes of the Order and the *Prammatica del Paese* while subjects taught included Civil Law, Canon Law and Philosophy of Laws. Today, these subjects are still taught but teaching has diversified to incorporate a number of new areas as dictated by modern developments. The Faculty now offers a broad-based initial undergraduate degree in Law and a Humanistic subject leading to a Bachelor's degree in Laws while students obtaining the requisite qualification in the Law area proceed to the course leading to the degree of Doctor of Laws. In recent years, the Faculty has developed postgraduate programmes which reflect its areas of expertise in the fields of European Law, Public International Law, Financial Services and Human Rights.

The Maltese legal system is a reflection of the crosscurrents which have influenced Malta's history and also European history as a whole. The Civil Law and Common Law systems have interacted to shape the national system and where necessary, the Laws of Malta are fast being brought into line with the Law of the European Union. In any event, the Comparative Law approach to the study of Law has always been a feature of Maltese legal education and this orientation will be further strengthened in the future.

The Faculty has developed a Law Reading Room which houses materials relevant to various areas of specialisation in the discipline.

Faculty of Laws

Tel: 2133 3998

Fax: 2132 4478

Email: laws@um.edu.mt

Website:

<http://home.um.edu.mt/laws>



Courses Offered

Diploma:

Diploma of Legal Procurator

Diploma of Notary Public

Undergraduate:

Bachelor of Laws

Postgraduate:

Doctor of Laws

Magister Juris [European and Comparative Law]

Magister Juris [International Law]

Master of Arts in Law

Master of Arts in Financial Services

Master's in Human Rights and Democratisation

M.Phil./Ph.D.

Departments

- Civil Law
- Commercial Law
- Criminal Law
- European & Comparative Law
- International Law
- Public Law

• Civil Law

Subject Areas Taught: Roman Law; Philosophy of Law; Family Law; Law of Property; Lease and Contract of Works; Law of Obligations; Law relative to Tort/Responsibility/Damages; Succession; Various Contracts; Guarantees; Civil Procedure; Professional Ethics and Deontology.

Areas of Research: Traditional and contemporary areas of Civil Law; civil procedure; European contract law and the common core of European Civil Law values.

International Links: 'La Sapienza' University, Rome and various other foreign universities on an informal continuing basis.

• Commercial Law

Subject Areas Taught: Commercial law at undergraduate level including Basic Notions of Commercial Law (including Acts of Trade and Trader); Duties of Traders (including unfair competition); Competition Law; Commercial Obligations; Commercial Intermediaries; Commercial Partnerships and Company Law; Shipping Law (including Carriage of Goods by Sea); Insurance Law; Banking Law; Credit Instruments (including Bills of Exchange & Cheques); International Sale and Documentary Credits; Financial Services Legislation; Intellectual Property Law; Consumer Protection.

Areas of Research: Company Law; Consumer Protection Law.

• European & Comparative Law

Subject Areas Taught: EU Legal Order; EC and Comparative Competition Law; EC and Comparative Consumer Law; EC and International Intellectual Property Law; Judicial Protection in the EU; EC and Comparative Company Law; The Law of the Internal Market (the Four Freedoms); EC Financial Services Law; EC Trade Law; EU Justice and Home Affairs; EC Labour Law; EC Transport Law; EC Environmental Law; EC Tax Law; EU Constitutional Law; EC Social Law; Legal and Policy Aspects of Communications and E-Business; Information Technology Law; Legal Aspects of EMU; SME Law and Policy; EU Institutional Law; EC Conflict of Laws.

Areas of Research: EU Law in general; EU Constitutional Law; Competition Law; Consumer Law; Intellectual Property Law; Company Law; Financial Services Law; European Private International Law.

Research Projects: Corporate Social Responsibility and Corporate Governance, European Civil Society Project in collaboration with the EDRC; Free movement of documents in the EU with the British Institute of International and Comparative Law, UK; Private Law in Europe with Institute of Advanced Legal Studies, UK; Citizenship issues in the new EU Member States with the Austrian Academy of Sciences, Institute for European Integration Research, Vienna; Liability in Cases of Damage Resulting from the Presence of GMOs in Non-GM Crops with Austrian Academy of Sciences, European Centre of Tort and Insurance Law, Vienna;

Citizenship and Intercultural Dialogue, with the University of Padova, Italy; Conflict of Law Rules in Europe with University of Seville, Spain; Gender Equality Law.

International Links: Austrian Academy of Sciences, Vienna; *in Germany:* University of Konstanz; Institute of European Media Law, Saarbrücken; Hans-Bredow-Institute for Media Research, Hamburg; University of Padova, Italy; University of Seville, Spain; *in the UK:* Institute of Advanced Legal Studies, London; British Institute of International and Comparative Law; University of Edinburgh; various centres in the Mediterranean region, through joint projects with the European Documentation and Research Centre (EDRC).

• International Law

Subject Areas Taught: Main principles of International Law with special emphasis on the Maltese perspective, namely: Nature and workings of International Law; Sources of International Law; Treaty Law; the Relationship between International Law and Municipal Law; the legal personality of the subjects of International Law; principles of jurisdiction; State responsibility and the recognition of States and

Governments. Selected Areas of International Law such as: the law of diplomatic privileges and immunities; the peaceful settlement of international disputes; the law of human rights; the law of environmental protection with special emphasis on the protection of extraterritorial areas; the law of the sea, with special emphasis placed on the situation pertaining to Malta.

Areas of Research: Sources of International Law; International Environmental Law; International Maritime Law; International Law of Human Rights.

International Links: American Society of International Law; British Institute of International and Comparative Law; European Law Students' Association (ELSA *International/ELSA Malta*); International Maritime Law Institute; International Maritime Organisation.

• Public Law

Subject Areas Taught: Constitutional Law; Administrative Law; Human Rights Law; Private International Law; Law of European Institutions.

Areas of Research: Human Rights and Public Law.

International Links

The Faculty has research and cooperation links with: *in the UK:* Aberystwyth University; University of Essex; European University Viadrina, Frankfurt (Oder); *in Belgium:* Vrije Universiteit Brussels; Catholic University, Leuven; University of Copenhagen, Denmark; *in France:* University of Lyon 2; University of Montpellier; University of Rennes; University of Rouen; *in Italy:* Università di Ferrara, Università di Messina; Università Cattolica del Sacro Cuore, Milan; Università degli Studi di Perugia; Università Roma 2; Università Roma 3; Università di Salerno; Università degli Studi di Urbino 'Carlo Bo'; Università di Verona; Uniwersytet Wroclawski, Poland; Bratislava University, Slovakia; *in Spain:* Universidad Pontificia Comillas De Madrid; University of Santiago De Compostela.

Faculty Publications

Mediterranean Journal of Human Rights

Id-Dritt (Law Journal)



FACULTIES

Faculty of Medicine & Surgery

Medical School,
Mater Dei Hospital,
Tal-Qroqq

Email: umms@um.edu.mt

Website:

<http://www.um.edu.mt/umms>



MEDICINE has been taught in Malta since the seventeenth century, when a school of Anatomy and Surgery was established at the Valletta Holy Infirmary of the Order of St. John. About the same time, Pharmacy also started being taught. Following the abatement of the plague of 1675, Grand Master Nicolò Cottoner appointed Fra Giuseppe Zammit as 'Lettore' at the *Sacra Infermeria* on the 19th October 1676. This attempt at formalising medical teaching at the Order's hospital is considered by many to be the beginning of our Medical School. Zammit went on to establish the first medical library on the island, as well as a medicinal garden in one of the ditches of Fort St. Elmo. On the 25th May 1771, a *Collegio Medico* was set up as one of the faculties of the University. In 1901, the medical degree obtained official recognition throughout the British Empire. In 1968, the clinical departments of the Medical School moved out of Valletta to a new building which was built for this purpose next to St. Luke's Hospital in Guardamangia. In 2007, the Medical School moved to Tal-Qroqq with the opening of the new *Mater Dei* Hospital. The Department of Pharmacy and the preclinical departments are situated on the main university campus. The Faculty also services various courses offered by the Institute of Health Care.

Courses Offered

Undergraduate:

Bachelor of Pharmacy (Honours)

Doctor of Medicine & Surgery

Postgraduate:

Postgraduate Certificate in Basic Clinical Psychiatry

Master of Science in Family Medicine

Master of Science in Pathology [Mechanisms of Disease]

Master of Science in Pathology [Molecular Biology & Haematology]

Master of Science in Pharmacology / Clinical Pharmacology

Master of Science in Pharmacy

Master of Science in Public Health Medicine

M.Phil./Ph.D.

Departments

- Anatomy
- Clinical Pharmacology & Therapeutics
- Family Medicine
- Medicine
- Obstetrics & Gynaecology
- Paediatrics
- Pathology
- Pharmacy
- Physiology & Biochemistry
- Psychiatry
- Public Health
- Surgery

• Anatomy

Subject Areas Taught: Gross Anatomy; Neuroanatomy; Histology; Cell Biology; Embryology; Genetics.

Areas of Research: Genetics of Mental Retardation and Fragile X in Malta; screening of Maltese Medicinal and Aromatic Plants for pharmacological activity; In-Vitro Testing of extracts from local conifers and flowering plants (Lamiaceae And Asteraceae) on human cancer cell lines; effect of trauma on the Petrous Temporal Bone; Stem-cell trans-differentiation and expansion; Dysmorphology of spontaneously miscarried foetuses; Gene Regulation in differentiation and disease; office of medical education and research (OMER); exploratory analysis of medical data using GUHA method; Morphbank: an open web depository for biologic material.

Research Projects: Joint project on the genetics of mental retardation with the Istituto di Genetica, Università Cattolica del Sacro Cuore, Roma funded by Grants from the Sixth Italian Protocol and the Sovereign Military Order of Malta (SMOM); Joint project with the Institute of Agriculture, University of Malta on Maltese Medicinal and Aromatic Plants funded by the National RTDI Programme.

International Links: in Italy: Università Cattolica del Sacro Cuore di Roma; Department of Bioorganic Pharmacy, University of Pisa; Anatomy Department, University of Cambridge, UK.

• Clinical Pharmacology & Therapeutics

Subject Areas Taught: Drug formulations and modes of drug administration; Pharmacokinetics & pharmacodynamics; Molecular pharmacology and pharmacogenetics; Adverse drug reactions, drug allergies and drug interactions; Pharmacology at the extremes of age; Anti-inflammatory and immunopharmacology; Anaesthetic and analgesic pharmacology, neuropharmacology; Pharmacology of drugs used in the management of cardiovascular, gastrointestinal, renal, hepatic, respiratory, dermatologic and endocrine conditions; Drugs used in obstetrics and gynaecology; Cancer pharmacology; Anti-microbial pharmacology; Drugs used in the radiography department; Drug dependence and abuse; pharmacotoxicology. Analytical pharmacology; Prescription writing; Decision-making in prescribing; Formularies; Drug delivery devices.

Areas of Research: Pharmacogenetics of drugs used in respiratory disease; Pharmacogenetics of anti-epileptic agents; Pharmacokinetics of anti-epileptic agents; Pharmacokinetics and pharmacodynamics of chiral drugs; Pharmacology of glucocorticoid use in asthma; Neuropharmacology.

Research Projects: FP6 EPICURE Functional genomics and neurobiology of epilepsy: a basis for new therapeutic strategies; Grundtvig: Education for PAMs in Epilepsy; RTDI project funding awarded by the MCST: Pharmacogenetics of novel therapeutic targets in Asthma.

International Links: in the UK: School of Pharmacy, Queen's Medical Biology Centre, Queen's University of Belfast, N. Ireland; Queen's Medical Centre, University of Nottingham; National Heart and Lung Institute, Imperial College, London; European Epilepsy Academy; Department of Therapeutics and Molecular Medicine, Department of Neuroimmunology, Charité University Hospital, Berlin; Toray Industries Inc., Teburo, Kamakura, Japan; European Medicines Agency.

• Family Medicine

Subject Areas Taught: Drawing up a Genogram in Family Medicine; compilation of a Family Case Book; Family and Community Medicine: its role and place in society and medicine; clinical attachments in Family Practices within the Community.

Areas of Research: Students' perception of Family Medicine and how they rate / compare it with other specialties.

International Links: University of Toronto; Royal College of General Practitioners, London.

• **Medicine**

Subject Areas Taught: Medicine: Respiratory; Cardiovascular; Gastroenterology & Hepatology; Dermatology; Nephrology; Endocrinology; Immunology & Rheumatology; Neurology; Oncology; Geriatrics; Haematology; Infectious Diseases.

Areas of Research: COPD; Diabetes Mellitus: epidemiology & genetics, Cerebral Oedema in Ketoacidosis, DiabCare Computer QNet in Europe; Basal metabolic rate & body composition in healthy Maltese; Systemic Lupus Erythematosus: epidemiology in Malta; Asthma: sports, risk factors; epidemiology of melanoma; issues of compliance in hypertension control; studies on medical undergraduate curriculum.

Research Projects: MEDINE: Thematic Network for Medical Education in Europe; TUNING task force.

International Links: *in the UK:* Universities of: Birmingham; Bristol; Glasgow; Leeds; Manchester; Newcastle-upon-Tyne; Nottingham; Oxford; Royal College of Physicians, London; Royal College of Physicians, Edinburgh; Guy's Hospital, London; King's College Hospital, London.

• **Obstetrics & Gynaecology**

Subject Areas Taught: Obstetrics & Gynaecology.

Areas of Research: Reproductive Medicine; Menopause; Infertility/Polycystic Ovaries; Perinatology.



Research Projects: Polycystic Ovaries; Perinatal Medicine; Osteoporosis/Menopause; Cartilage(Menopause); Dysmennorrhoea. The department has an active Postgraduate Training Programme and Research department.

International Links: Royal College of Obstetrics & Gynaecology; European College of Obstetrics & Gynaecology; University College Hospital, University of London and various European departments & institutions.

• **Paediatrics**

Subject Areas Taught: general paediatrics; neonatology; community paediatrics; paediatric resuscitation.

Areas of Research: Investigation of bipterin deficiency syndromes; Meningococcaemia in childhood; Genetics of congenital nephrotic syndrome; Epidemiology of epilepsy in children; Congenital heart disease; Incidence of a-Interferon receptor gene defect in cord blood and in those with atypical infections; Amino acid electrophoresis for PKU in cord blood.

International Links: *in the UK:* Institute of Child Health, University of London; The Hospital for Sick Children, Great Ormond Street, London; United Kingdom Children Cancer Study Group; European Resuscitation Council.

• **Pathology**

Subject Areas Taught: *Doctor of Medicine and Surgery:* General & Systemic Pathology; Microbiology; Haematology; Blood Transfusion Medicine; Immunology; Clinical Biochemistry; Infection Control; Forensic Medicine; Toxicology;

BSc Medical Laboratory Science: General Pathology; Lab Applications of Pathology; General and Pharmaceutical Microbiology; Antimicrobial Chemotherapy; Cellular Pathology; Clinical Biochemistry; Haematology; Transfusion Medicine; Immunology; Histology;

MSc Pathology (Mechanisms of Disease): Molecular Biology and Genetics; Physiology of Blood and Body Defences; Research Methodology; Experimental Haematology; Neuroscience.

Areas of Research: Molecular biology of inflammatory disease; Experimental haematology; Genetics of osteoporosis; Mechanisms of tumourigenesis; Neuroscience and neuropathology; Blood transfusion science.

Research Projects: Mechanisms of tumourigenesis in collaboration with Erasmus Medical Centre, The Netherlands; Targeting in cancer cells in collaboration with Erasmus Medical Centre and University of Brussels; Estrogen receptors in breast cancer; Genetics of osteoporosis; Neuropharmacology and neuropathology of Alzheimer dementia; Hypoxic brain damage in collaboration with Max Planck Institute; George Washington University, St. Louis.

International Links: The Royal College of Pathologists of Australasia; European Calcified Tissue Society; European Haematology Association; *in Belgium:* EU Cost, Brussels; University of Brussels; Max Planck Institute for Neurological Research, Germany; Erasmus Medical Centre, The Netherlands; *in the UK:* Association of Clinical Pathologists; The Association of Clinical Biochemists; Health Protection Agency; Colindale; Institute of Biomedical Science; PHLS Reference Laboratory, Manchester; Regional Laboratory for Toxicology, Birmingham; The Royal College of Pathologists; University of Dundee; University of Exeter; University of Newcastle-on-Tyne; University of Stirling; University of Ulster; *in the USA:* American Board of Pathology; American Society for Microbiology; Ohio State University; George Washington University, St Louis.

• **Pharmacy**

Subject Areas Taught: Plant and animal biology; Physics; General and inorganic chemistry; Organic Chemistry; Analytical chemistry; Medicinal and Pharmaceutical chemistry, including analysis of medicinal products; General and applied biochemistry; Anatomy; histology and physiology; medical terminology; Microbiology; Pharmacy Practice; Pharmacology and pharmacotherapy; Pharmaceutical technology; Pharmaceutics; Toxicology; Pharmacognosy; Legislation and professional ethics.

Areas of Research: pharmacist interventions in patient care; validation methods; pharmacoconomics; information technology and pharmacy; bioequivalence studies and computational chemistry.

Research Projects: PharmaClick- eTens; Intensive Programme Training Course-IP; Point-of-care testing; Chronopharmacology; Computational Chemistry.

International Links: *in Belgium:* Universities of Leuven; Brussels; Charles University, Prague, Czech Republic; *in France:* Paris Descartes; Universities of: Lyon; Montpellier; Lille; Bonn, Germany; *in Italy:* Universities of Bari; Catania; Genova; Perugia; Jagiellonian, Poland; Coimbra, Portugal; *in Spain:* Alcalá; Granada; Madrid; *in*

Sweden: Gothenburg; Uppsala; *in the UK:* Cardiff; London; Manchester; Nottingham; Strathclyde.

Publications: Annual Symposium Abstracts; Department Newsletter; Patient Information Leaflets.

The department supervises professional placements at community and hospital pharmacies and in pharmaceutical industrial and laboratory settings.

• **Physiology & Biochemistry**

Subject Areas Taught: Physiology; Biochemistry; Basic and Molecular Genetics; Biotechnology in Clinical Medicine; Advanced recombinant DNA technology.

Areas of Research: Apoptosis in yeast as a eukaryotic model; the role of mitochondria in apoptosis; aspirin and apoptosis; superoxide dismutases and redox potential; neurodegenerative disease; prions; mitochondrial and redox physiology; polyphenols; Cell cycle regulatory proteins mainly p21, p53 and p27; transgenic animals; Extracellular matrix; Integrin biochemistry; cell attachment; cell proliferation; cell death; DNA applications including agriculture and forensics; stem cells, biotechnology; genetically modified organisms (GMOs).

Research Projects: Participation in research project on integrin regulation of Clara cell cycle control; Redox signaling by the cellular prion protein; neuroprotective mechanisms of dietary polyphenols.

International Links: John Curtin School of Medical Research, Canberra, Australia; Institute for Molecular Biosciences, Karl-Franzen University, Graz, Austria; European Food Safety Authority (EFSA); *in Germany:* Ludwig-Maximilians-University Munich; University of Osnabrück; International Life Sciences Institute (ILSI); Juntendo University School of Medicine, Tokyo and University of Tokyo, Japan; *in the UK:* University of Cambridge; University of Edinburgh; *in the USA:* University of Pittsburgh School of Medicine; University of California, San Francisco; University of Seattle.

• **Psychiatry**

Subject Areas Taught: Psychiatry including: Anxiety disorders; Mood disorders; Psychoses; Child and Adolescent; Liaison; Old age; Substance misuse; Eating disorders; Organic disorders and Mental Health Act. Psychology in Relation to Health Care including the life cycle from childhood to old age; Principles of Good Medical Practice; The Doctor-Patient relationship; Holistic patient care; Spirituality in Care; Grief and Bereavement,

and The Difficult Patient. Behavioural Sciences including Interpersonal Communication; Intrapersonal Communication; Teamwork and Reflection of Hospital Experience.

Areas of Research: Epidemiology of Mental Illness; Quality of Life in psychiatric patients; Bipolar Disorder in Children; Cannabis and Psychosis; Perinatal Mood Disorders and the Teaching of Communication Skills.

Research Projects: Epidemiology of Mental Disorder.

International Links: Institute of Psychiatry, University of London; Guy's Hospital, London; Imperial College, London; University of Keele; University of Leicester.

• Public Health

Subject Areas Taught: Public Health, Epidemiology.

Areas of Research: Public Health, Research for planners in Health.

International Links: Liverpool School of Hygiene and Tropical Medicine.

• Surgery

Subject Areas Taught: Surgery; Orthopaedics; ENT; Anaesthesia; Ophthalmology; Neurosurgery; Urology; Paediatric Surgery; Plastic Surgery.

Areas of Research: Non acid dyspepsia; Sclerotherapy in treatment of haemorrhoids; Gastro-oesophageal reflux in patients undergoing laparoscopy.

Research Projects: (in collaboration with the Pharmacy Department): Introducing guidelines for surgical antibiotic prophylaxis – an impact assessment; Compiling a register/database of hereditary colorectal cancer in Malta; Investigating pancreatic amylase in gastric juice.

International Links: University of Glasgow; Royal College of Surgeons, England; Royal College of Surgeons, Edinburgh; Royal College of Physicians and Surgeons, Glasgow; Royal College of Surgeons, Ireland; Western General Hospital, Edinburgh; Gartnavel General Hospital, Glasgow; Western Infirmary, Glasgow; City General Hospital, Newcastle; University of Dundee; University of London; University of Sussex.

The Department regularly organises *Basic Surgical Skills & Anastomosis Techniques* courses for trainee surgeons. This is done on a yearly basis in collaboration with the Royal College of Physicians and Surgeons of Glasgow.

Faculty Publications

Malta Medical Journal

Faculty Newsletter

MURMUR (Medical Student's Journal published by MMSA)

E-Newsletter (an MMSA initiative)



FACULTIES

Faculty of Science

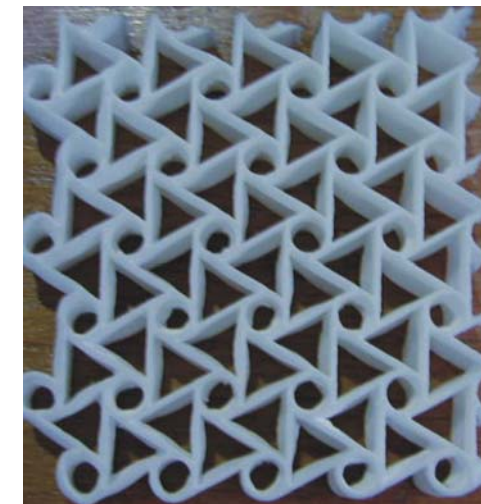
Tel: 2340 2362

Fax: 2131 2110

Email: science@um.edu.mt

Website:

<http://home.um.edu.mt/science>



An auxetic structure being investigated by UoM as part of an EU FP6 project led by the University of Bristol

THE TEACHING OF SCIENCE at the University has had a chequered history dating back to the foundation of a Chair of Mathematics in 1656 at the *Collegium Melitense* when Grand Master Lascaris endowed the College with the profits accruing from the *Maglio* (recreation grounds) built earlier by himself, for the teaching of Mathematics by a Jesuit priest. When Grand Master Pinto transformed the Jesuit *Collegium* into a public university, he invited several eminent European scientists of the day to join this newly founded institution. Among these were Roberto Maria Costaguti, a Florentine mathematician (who was also the first Rector of Pinto's new University) and P. Giuseppe Piazzi, a renowned astronomer. Following its separation from the Faculty of Literature, the first Faculty of Science board meeting was held on Friday, 17th September 1915. The first two undergraduate Bachelor of Science (B.Sc.) degrees were conferred by the university in 1916. The international standing of Professor Themistocles Zammit, Professor of Chemistry and later Rector between 1920 and 1926 helped to consolidate the achievements of the Faculty of Science.

Courses Offered

Undergraduate:

Bachelor of Science (Honours)

Postgraduate:

Postgraduate Diploma in Applied Chemistry

Master of Science (*taught and by research*)

M.Phil./Ph.D.

Departments

- Biology
- Chemistry
- Mathematics
- Physics
- Statistics & Operations Research

• Biology

Subject Areas Taught: Animal and Plant Systematics; Cell and Molecular Biology; Comparative Animal Physiology and Anatomy; Biochemistry; Ecology; Ethology; Marine Biology; Botany; Biotechnology; Conservation Biology and other applied biological sciences.

Areas of Research: Fisheries Biology and Marine Aquaculture; Marine Pollution and Environmental quality; Biology of Local Flora and Fauna; Marine and Terrestrial Ecology; Population Genetics; Conservation Biology; Biological activity of Phytochemicals.

Research Projects: MonItaMal (Interreg IIIA Italy-Malta): Sviluppo di un sistema di monitoraggio della qualità ambientale: valutazione dei livelli di contaminazione nelle diverse matrici marine (acque, sedimenti, biota) e dei rischi per la biodiversità marina costiera; AREef (Artificial Reef research) Environmental Initiatives in Partnership with MEPA (Malta Environment and Planning Authority); PORTAL (PORT surveys in the Mediterranean Sea for ship-transported ALien organisms) in collaboration with CIESM (International Commission for the Scientific Exploration of the Mediterranean Sea); EMPAFISH (European Marine Protected Areas as tools for FISHeries management and conservation) as part of 6th Framework Programme of the Commission of the European Communities (EU); BENSPEFISH (Benthic Secondary Production and Essential Fish Habitats in the Malta FMZ) in collaboration with the Malta Centre for Fisheries Sciences; joint research projects on the palaeoenvironment and palaeoecology of the Maltese Islands in collaboration with QUB.

International Links: *in the UK:* School of Geography, Archaeology & Palaeoecology, Queen's University, Belfast; University Marine Biological Station, Millport (University

of London); University of Wales at Bangor; *in Italy:* Parco Scientifico e Tecnologico della Sicilia S.c.p a.; Istituto Centrale per la Ricerca Scientifica e Tecnologica Applicata al Mare (ICRAM); University of Amsterdam, The Netherlands; MarBEF (Marine Biodiversity and Ecosystem Functioning) Network of Excellence; International Commission for the Scientific Exploration of the Mediterranean Sea (CIESM).

• Chemistry

Subject Areas Taught: Analytical Chemistry; Applied Chemistry; Inorganic Chemistry; Organic Chemistry; Physical Chemistry.

Areas of Research: Chemical Metrology; Trace metal analysis; Environmental chemistry; Photochemically-induced electron transfer reactions in organic chemistry; Polymers; Colloids and Interfaces; Molecular modelling; Materials modelling (auxetic and negative thermal expansion materials); Transition metal and lanthanide complexes; Homogeneous catalysis; Aspects of Science, Technology and society.

Research Projects: CHISMACOMB: An FP6 project aimed at developing a new concept of cellular chiral material having Negative Poisson's ratio with enhanced mechanical and dielectric properties, able to include in its microstructure and sensor and actuators to be implemented in innovative smart sandwich structures; COST (EU Project D24/D40) Homogeneous catalysis: An EU funded cooperation project related to transition metal chiral catalysis; Modelling of Negative Materials: A nationally funded RTDI project aimed at modeling systems which exhibit negative Poisson's ratios and/or negative thermal expansion; ResIST: An FP6 STREP project led by University of Oxford aimed at Resisting Inequalities created by Science and technology in today's world. Other team members include universities from the UK, South Africa, Portugal, Mozambique and the USA; TAQC-WFD short courses- Short training courses in Europe for Euromed participants in the new EC Water Framework Directive.

International Links: Louis Pasteur Institute, Strasbourg, France; Friedrich-Alexander University, Erlangen, Nürnberg, Germany; University of Perugia, Italy; *in the UK:* University of Bolton; University of Bristol; Commonwealth Partnership for Technology Management; University of Exeter; University of Oxford; Eurachem.

Publications: Abstracts of the National Chemistry Symposium (*Biennial*)



• Mathematics

Subject Areas Taught: Undergraduate mathematics including algebra, analysis, discrete mathematics, geometry, differential equations, mechanics. Postgraduate mathematics including graph theory, error correcting codes, general topology, general relativity, the finite element method.

Areas of Research: Algebraic Graph Theory; Error Correcting Codes; General Topology; Quantum Logics; General Relativity; The Finite Element Method.

Research Projects: Participation in Euratom, the EU's programme on Magnetically Confined Thermonuclear Fusion. A group of Maltese academics will participate in research on nuclear fusion under the auspices of Euratom.

International Links: Charles University Prague, Czech Republic; University of Messina, Italy; University of Moscow, Russia; University of Belgrade, Serbia; University of Bratislava, Slovakia; *in the UK:* Universities of Glasgow, Sheffield, Warwick and the Open University.

• Physics

Subject Areas Taught: electromagnetism; waves; optics; properties of matter; thermodynamics; kinetic theory; statistical mechanics; quantum mechanics; atomic physics; solid state physics; semiconductor optoelectronics; relativistic mechanics; nuclear physics; signal processing; remote sensing; geophysics; atmospheric physics; earth science; general physics. Additionally, laboratory sessions are held throughout the degree course.

Areas of Research: Earth Science: Geophysics, Seismology and Atmospheric Physics; Solid State Devices and Instrumentation: High Frequency (microwave to sub-millimetre) Solid State Devices and Sub-systems; Alternative Energy Devices and Applications.

Research Projects: Malta's National Climate Change Project.

International Links: Université Pierre et Marie Curie, Paris VI; University of Valladolid, Spain; *in the UK:* University of Nottingham; University of Bath; University of Leeds; University of Cambridge.

• Statistics & Operations Research

Subject Areas Taught: Probability; Statistical Computing; Optimization; Linear Programming; Demography; Official Statistics; Families of Random Variables; Limits

and Convergence in Probability; Statistical Inference; Categorical Data Analysis; Queueing Theory; Financial Mathematics; Actuarial Mathematics; History & Philosophy of Probability & Statistics; Sampling; Time Series; Simulation; Regression Analysis; Stochastic Processes; Multivariate Analysis; ANOVA and Design of Experiments; Integer and Dynamic Programming; Nonlinear Programming; Measure and Integration Theory; GLM's; Stochastic Programming; Survival Analysis; Mathematics of Securities Markets; Robustness; Numerical Analysis; Functional Analysis; Scheduling. Statistics For Scientists; Statistics For Professional Courses; Operations Research for Scientists; Operations Research for Professional Courses.

Areas of Research: Stochastic Integration; Stochastic Differential Equations; GLM's; Statistical Modeling; Latent Class Models; Survival Analysis; Missing Data; Sampling; Diffusions; Structural Equation Modeling; Bayesian Statistics; Stochastic Optimal Control; Stochastic Processes in Finance and Actuarial Studies; Empirical Processes.

International Links: Charles University Prague, Masaryk University Brno, University of Technology Brno, Czech Republic; Hecteppe University Ankara, Turkey; University of Lancaster, UK.



FACULTIES

Faculty of Theology

Tel: 2340 2767

Fax: 2131 4982

Email: theology@um.edu.mt

Website:

<http://home.um.edu.mt/theology>



THE FACULTY OF THEOLOGY is the oldest University Faculty. The *Collegium Melitense* – the University’s forerunner – was founded on 12 November 1592 and was run by members of the Society of Jesus. Lectures in Philosophy and Theology must have been imparted from the very beginning. This was due to the fact that the *Collegium* was subsidized by funds and built on a property in the new city of Valletta earmarked for a seminary for the preparation of candidates to the priesthood. The *Collegium* was first and foremost to fulfil this duty.

Lectures in Philosophy, Scholastic Theology and Moral Theology, were refined in the following years. On 7 June 1727, Antoine Manoel de Vilhena, Grandmaster of Malta, raised the *Collegium* to the status of *Accademia* and authorized its faculties to confer degrees.

This was done taking into consideration a concession granted by Pope Paul IV in 1561 to the Society of Jesus, through which the Society obtained authority to confer the academic degrees of Master of Philosophy and Doctor of Divinity. Pope Gregory XIII confirmed this privilege through an Apostolic Letter of 9 May 1578. The Minister General of the Society was thereby fully authorized to communicate the same faculty to rectors of Jesuit Colleges whenever these institutions had attained the required academic standards of higher education.

With the setting up of the *Pubblica Università degli Studi* by Emmanuel Pinto, Grandmaster of Malta, on 22 November 1769, the Faculty of Theology began to offer courses in Holy Scripture, Dogma, Moral Theology, Church History and Canon Law. The professor of Scripture also taught Greek and Hebrew, while that of Church History also lectured on the history of the Order of St. John.

Courses Offered

Certificate:

Certificate in Youth Ministry

Diploma:

Diploma in Pastoral Theology

Diploma in Religious Studies

Undergraduate:

Bachelor of Arts [Religious Studies]

Bachelor of Arts [Theology & Human Studies]

Bachelor of Arts [Theology] (Honours)

Bachelor of Sacred Theology

Postgraduate:

Master of Arts [Theology]

Master of Arts [Pastoral Studies]

Master of Arts [Religious Studies]

Licentiate in Sacred Theology

Doctor of Sacred Theology

M.Phil./Ph.D.

Departments

- Church History, Patrology & Palaeochristian Archaeology
- Fundamental & Dogmatic Theology, Ecumenism
- Moral Theology
- Pastoral Theology, Liturgy & Canon Law
- Philosophy
- Sacred Scripture, Hebrew & Greek

• Church History, Patrology & Palaeochristian Archaeology

Subject Areas Taught: Church History in general and in Malta in particular; Patrology; Patristics; Palaeochristian Archaeology; Church and European Union; General Methodology.

Areas of Research: Church History General; Church History Modern; Church History Europe; Church History Malta; Augustinian themes; General Methodology.

Research Projects: Guide to the Ecclesiastical Archives of Europe with the Associazione Archivistica Ecclesiastica.

International Links: Associazione Internazionale Professori Storia della Chiesa; Associazione Archivistica Ecclesiastica; Catholic Archives Society of the United Kingdom and Ireland; COCTI, the Conference of Catholic Theological Institutions; Augustinian International Commission for Augustinian Studies and Research; Historical Institute of the Society of Jesus; OCIPE - Official Catholic Information and Study Centre for Europe.

• Fundamental & Dogmatic Theology, Ecumenism

Instruction treats in a systematic way the principal elements of the Christian faith as these are presented in Revelation and in the Tradition of the Church.

Subject Areas Taught: God; Christology; Christian Anthropology; Mariology; Ecclesiology; Ecumenism; the Sacraments.

Areas of Research: Interreligious and Christian Dialogue; Sacramental Symbolism; Sacramental Orthopraxis; Faith and Culture.

Research Projects: Involved in the TRES initiative regarding interreligious dialogue and culture.

International Links: in Italy: Società Italiana per la Ricerca Teologica (SIRT); Pontifical University of St Thomas Aquinas (Angelicum), Rome; Pontificio Istituto Orientale, Rome; Patristic Institute (Augustinianum), Rome; Leuven Encounters on Systematic Theology, Leuven, Belgium; Association Internationale Henri de Lubac; International Patristic Conferences, Oxford, UK.

• Moral Theology

Subject Areas Taught: Fundamental Moral Theology; History of Moral Theology; Bioethics; Sexuality, Marriage and Theology; Economic, Politics and Theology; Reconciliation: Ethical and Theological Aspects; Social Teachings of the Church; Culture and Theology; Theology, Human Rights and Public Policy; Spiritual Theology, Pastoral Care of Terminally-ill Patients and Care of Dying Patients; Pastoral Ministry in a Global Perspective.



Areas of Research: Human Rights and Theology; Business Ethics; Fundamental Christian Ethics; Future generations; inter-religious and intercultural dialogue; Professional ethics; bioethics; Theology and Society, especially Politics and Culture; Ethics of Public Life; the spiritualities of the different states of life.

Research Projects: Human Rights; Future Generations, Inter-religious and Intercultural Dialogue.

International Links: European Group of Ethics (EGE); *Societas Ethica*: European Society for Research in Ethics; International Association of Moral Theologians; European Society for Catholic Theology; Catholic University, Leuven, Belgium.

• Pastoral Theology, Liturgy & Canon Law

This department falls within the domains of what is also known as Practical Theology. The principles of Christian Faith are reflected upon and applied to the pastoral field. In specific areas like Pastoral Counselling and Catechetics, this is achieved through a sound dialogue with the social sciences such as Psychology and Sociology.

Subject Areas Taught: Liturgy; Canon Law; Catechetics; Pastoral Theology; Pastoral Counselling.

Areas of Research: Pastoral Research and Planning; Liturgical Texts; School Curricula Development (Religious Education); Psychology of Religious Vocation and Family Ministry.

International Links: Catholic University, Leuven, Belgium; Pontifical University of St Thomas Aquinas (Angelicum), Rome; Società Italiana di Psicologia della Religione; International Liturgical Commission; American Psychological Association; International Association for Psychology of Religion.

• Philosophy

Subject Areas Taught: History of Philosophy; Logic; Metaphysics; Philosophy of Mind; Epistemology; Ethics; Philosophy of Science; Aesthetics; Far Eastern Philosophies and Religions; Political Theory.

Areas of Research: Philosophy of Language; Philosophy of Action; Bioethics; Cultural Theory; Philosophy of Religion.

International Links: University of Genova, Italy; University of St Andrews, Scotland; Durham University, UK.

The Philosophy Society holds monthly meetings on topics of general philosophical interest.

• Sacred Scripture, Hebrew & Greek

Subject Areas Taught: Biblical Hebrew; Biblical Greek; Foundations of Theology [Old and New Testament]; Biblical Inspiration and Interpretation; The Art of Biblical Narrative; Introduction to Judaism; The New Testament Environment; Anti-Semitism in the New Testament; God in Judaism; Women in the Bible; Personification of Evil; Pentateuch and Historical Books; Prophetic, Apocalyptic and Wisdom Literature; The Four Gospels of the New Testament; Pauline Letters and Acts of the Apostles; Old Testament Exegesis; New Testament Exegesis.

Areas of Research: Comparative Study of Maltese Bible Translations; Bible Translation techniques and methodology; Towards a New History of Bible Translation in Maltese; Applying Discourse Analysis and Narratology to Narrative Texts in the Old Testament; *Lectio Divina* as Contemporary Method of Prayer with the Bible?

Research Projects: Ongoing revision of the Text of the Bible in Maltese; The Bible in Braille; Study Bible in Maltese.

International Links: Associazione Biblica Italiana; Society of Biblical Literature; Society for the Study of the Old Testament UK; Pontificio Istituto Biblico, Rome.

International Links

The Faculty has research and cooperation links with: International Federation of Catholic Universities (IFCU); *in Italy*: The Pontifical Gregorian University, Rome; The Pontifical Oriental Institute, Rome.

Faculty Publications

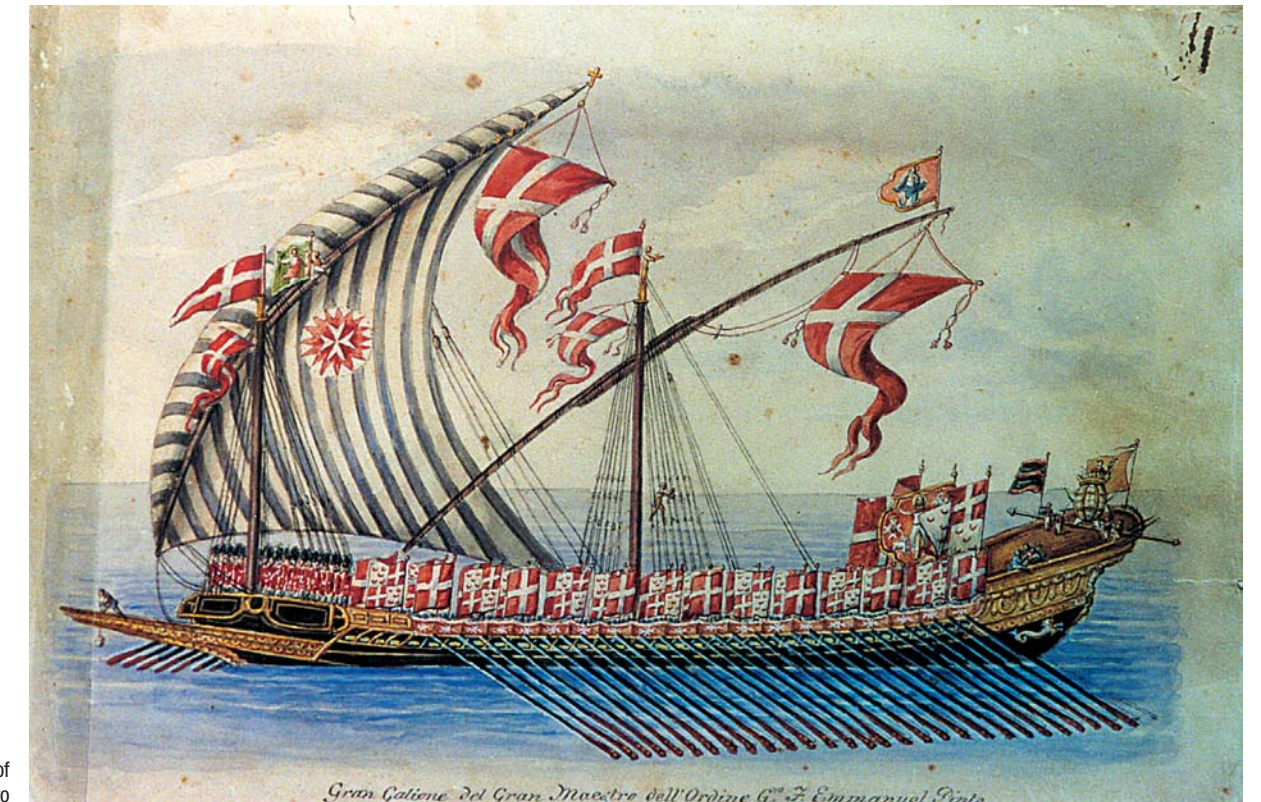
Melita Theologica

The Faculty also organises the annual St. Thomas Aquinas Lecture and the annual Augustinian Lecture

CENTRES

The School of Navigation

THE SCHOOL OF NAVIGATION attached to Pinto's *Pubblica Università* was run by and subject to the supreme Admiral and to the Congregation of the Galleys of the Order. Archinto who also taught Mathematics, taught here. The *School* may be considered as the University's first institute and the forerunner of the Centres and Institutes that have proliferated at the University in the last twenty-five years or so.



Ceremonial Galley of Grand Master Pinto

CENTRES

Centre for Communication Technology

Tel: 2340 2417/8

Fax: 2134 5655

Email: cct@um.edu.mt

Website: <http://cct.um.edu.mt>



THE Centre for Communication Technology (CCT) was established in 1991 in response to emerging needs for the use of modern media. Since its inception, CCT has adopted a three-pronged approach:

- Formation of personnel capable of creating media products
- Undertake collaborative research work in the broad area of communications
- Provide consultancy about and management of campus instructional resources and spaces.

The CCT offers degree and diploma programmes in the study of structured communications at undergraduate and postgraduate levels. Undergraduate programmes provide a broad theoretical and practical background enabling students to operate in a field with ever-increasing convergence. The postgraduate degrees allow for specialisation in particular fields.

The CCT regularly undertakes collaborative research work with industry and national entities to investigate communications, broadcasting, integrated marketing, data protection and strategy building issues.

CCT provides technical assistance and manages the instructional spaces and the Printing Unit on campus.

Courses Offered

Diploma:

Diploma in Journalism
Diploma in Library and Information Studies
Diploma in Archives and Records Management

Undergraduate:

Bachelor of Communications
Bachelor of Communications (Honours)
Bachelor of Library, Information and Archive Studies

Postgraduate:

Master's in Integrated Marketing Communications
Master's in Journalism
M.Phil./Ph.D.

Divisions

- Communications & Instructional Design
- Library, Information & Archive Studies
- Law and Information Technology Research Unit

• Communications & Instructional Design

Subject Areas Taught: Human Communication; Media and Communications Research; Film Theory; Consumer and Audience Analyses; Journalism; Print, Audio and Video Production; Marketing Communications.

Areas of Research: Communications Theory; Application of Media Technology; Broadcasting; Cultural Studies; Maltese Journalism; Film Aesthetics; Instructional Design; Marketing Communications; Evaluation.

International Links: University of Westminster, UK; San Diego State University (SDSU), California, USA.

• Library & Information Studies

Subject Areas Taught: Libraries, Archives and Records Management; Information Studies.

Areas of Research: Maltese materials as information resources; *Melitensia* as national memory; Preservation of digital resources; Internet issues and resources; Archival practices; LIS education.



International Links: in the UK: School of Library, Archive & Information Studies, University College, London; University of Wales at Aberystwyth; Hill Museum & Manuscript Library, St. Johns University, Minnesota, USA.

• Law & Information Technology

Subject Areas Taught: Data Protection Law; Information & Media Law (*incl.* Crime in Cyberspace); Cognitive Science & Law (*incl.* Analogical Reasoning in Law & Forensic Linguistics); Legal Applications of I.T.

Publications

CCT News - A student news agency providing in-depth research articles/material about current issues to the local media

The Scream (a student annual magazine)

CENTRES

Centre for Environmental Education & Research

Tel: 2340 2331

Fax: 2131 7938

Email: ceer@um.edu.mt

Website:

<http://home.um.edu.mt/ceer>

OFFICIALLY established in 2004, the Centre for Environmental Education and Research (CEER) aims to coordinate environmental education initiatives, increase the opportunity for environmental education research, make scientific and technological research results more accessible and facilitate resource transfer and capacity building in Malta and the Euro-Mediterranean region. CEER seeks to catalyse change towards a sustainable society by providing opportunities for environmental education that empower citizens, irrespective of age, gender and socio-economic status, to actively participate in environmental decision-making fora and in initiatives that promote a good quality of life.

Courses Offered

Undergraduate:

CEER services a number of courses with several study units related to environmental education. Some of these courses include:

- Educating for a Sustainable Lifestyle
- Developing Environmental Responsibility
- Understanding local environmental issues
- Community based environmental education
- Whole school approaches to environmental education
- Promoting School Development through Environmental Education
- Environmental Policy
- Educating Science Teachers for a Sustainable Lifestyle
- Mathematics and Education for Sustainable Development
- Adult Environmental Education
- Home and Environmental Health
- The application of thinking skills to environmental education
- Managing change in environmental education

Postgraduate:

M.Phil./Ph.D.

Courses offered to entities outside the university:

Construction and the Environment (Institute of Building and Construction Engineering, MCAST)

Decision Making Skills for the Coastal Zone Manager (International Ocean Institute)

Green Leaders Course on Sustainable Management (Ministries & Government Departments)

Subject Areas Taught: Pre-service and In-Service environmental education for teachers, Adult environmental education, Education for Sustainable Development, Development Education, Environmental Policy, Change management in environmental education, Thinking skills in environmental decision making.

Areas of Research: The main themes and the specific research agenda of CEER revolve around the development of curriculum material and the investigation into effective methodologies on how to carry out effective educational programmes in the formal education sector. CEER also extends its field of activity to include work

within the community, cooperation with governmental and civil society organisations and networking with local and regional groups/individuals to initiate joint projects. Owing to the spread of its field of activity, the unit can safely maintain that it has become the main Environmental Education agency in the country.

International Links: CEER is currently formulating research and cooperation links with:

- (a) *UNEP* (United Nations Environmental Programme) re the development of undergraduate, graduate, postgraduate and professional courses and the promotion of research on environmental education and training; and
- (b) the *European Centre of Excellence on Education for Sustainable Development* which is a strategic partner in the organisation of initiatives related to the UN Decade on Education for Sustainable Development.

Publications

Caruana, V., (ed.) *Community Centres: Promoting Sustainable Living* (Outlook Coop, Malta, 2005).



CENTRES

Centre for Labour Studies

Tel: 2340 2731
Fax: 2134 0251
Email: cls@um.edu.mt
Website:
<http://home.um.edu.mt/cls>

THE aims of the Centre for Labour Studies (originally established in 1981 as the Workers' Participation Development Centre), are to conduct research on labour relations and particularly on issues concerning participatory development locally and abroad. It organises educational activities which support the development of participation at the workplace and in society at large. The Centre for Labour Studies is the oldest among the University's Institutes/Centres.

Courses Offered

Certificate/Diploma:

Certificate/Diploma in Social Studies:-

- Gender and Development
- Industrial Relations
- Cooperatives and Development
- Occupational Health and Safety
- Occupational Guidance and Career Counselling

Postgraduate:

Postgraduate Diploma in Lifelong Career Guidance and Development (in collaboration with the Faculty of Education)

Subject Areas/Areas of Research: Labour and Industrial Relations; Trade Unions; Sociology of Work; Cooperative Studies; Worker Education; Worker Participation and Employee Involvement; Gender Issues in the Labour Market; Career Guidance and Development; Working Conditions; Organisational Restructuring.

International Links: European Foundation for the Improvement of Living and Working Conditions, Dublin; Institut des Sciences du Travail, Université Catholique de Louvain; European Trade Union Confederation, Brussels; Friedrich Ebert Stiftung; International Labour Organisation, Geneva; Institute of Social Studies, The Hague; Erasmus University, Rotterdam, The Netherlands.

Publications

Perspettivi (Newsletter)

CLS Biennial Report

Rizzo S., *The Dual Worker Family in Malta* (Centre for Labour Studies and Friedrich Ebert Stiftung, 2006).

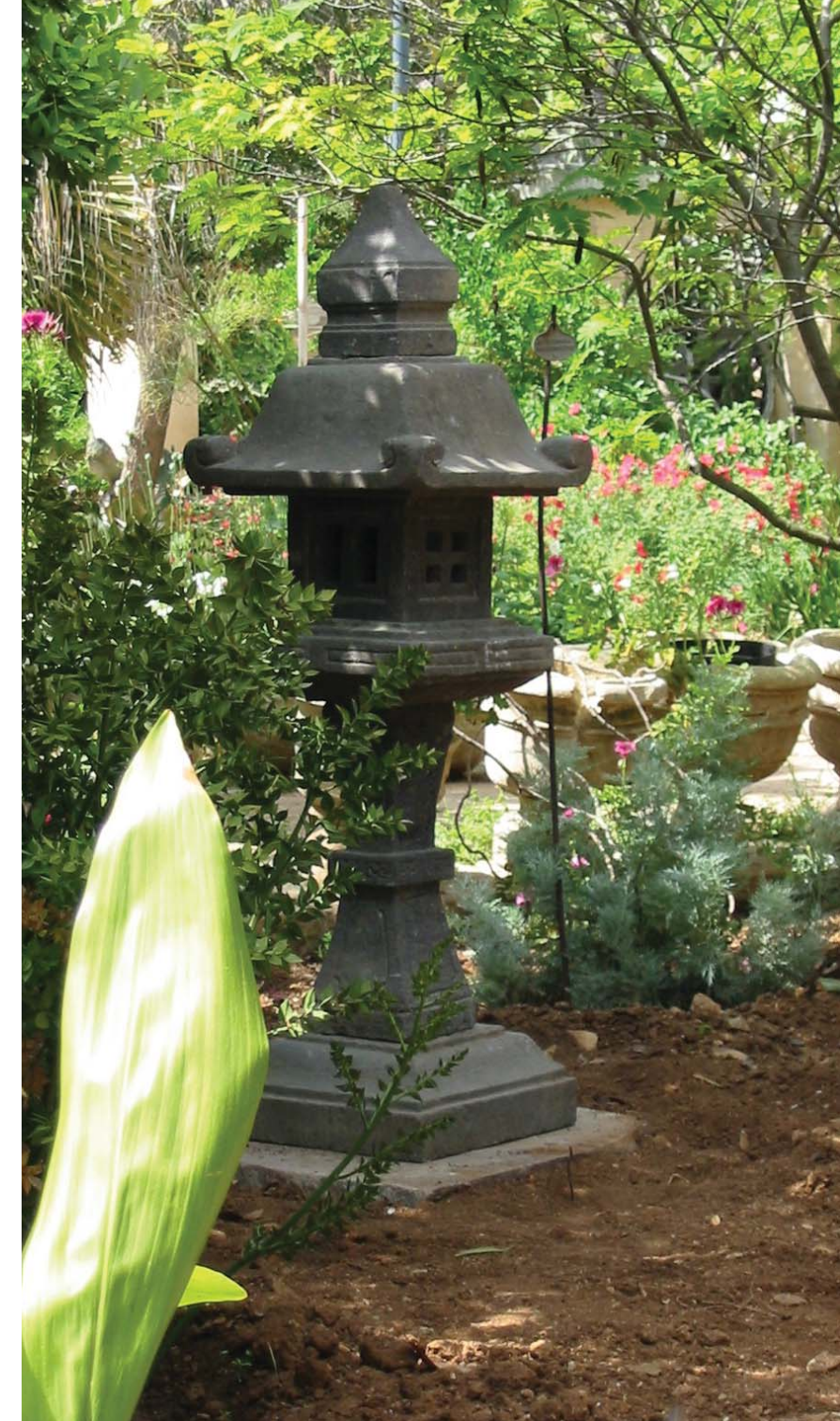
Debono, M., Debono, A. & Caruana, N., *Career outcomes of graduates 2004 - a career guidance tool* (Malta. Euroguidance Malta, 2005).

Debono, M., Debono, A. & Caruana, N., *A study of the outcome of graduates 2002 in the job market* (Malta. University of Malta, 2003).

Baldacchino, G., Rizzo, S. & Zammit, E. L., *Evolving Industrial Relations in Malta* (WPDC & Agenda Publishers, 2002).

Camilleri F., *A Day in Her Life: Insights into the Social and Economic Contribution of Maltese Women* (Malta. WPDC for the Commission for the Advancement of Women, 2001).

For further publications, articles and reports on Industrial Relations in Malta access www.eurofound.eu.int





CENTRES

Centre for Literacy

Tel: 2340 3046

Fax: 2134 6557

Email: literacy@um.edu.mt

Website: www.um.edu.mt

THE Centre for Literacy is a research and development centre that focuses on the area of literacy and other basic skills. Its mission is to respond productively to the increased need for literacy and other basic skills issues to be addressed in both professional development and research. The Centre is involved in policy advice, consultancies and training for different educational and professional bodies, ministries, national agencies and institutions. These include the Ministry of Education, Youth and Employment, the Ministry of Social Policy and the Family, The Employment and Training Corporation, the Malta College of Arts, Science and Technology, the Foundation for Educational Services, State and Church schools and a number of non-governmental organisations.

The Centre for Literacy strives to improve practice and inform policy through the generation of knowledge by creating a strong research culture and by developing professional practice. It is committed to the promotion of high quality research and its effective communication, especially in areas related to children's literacy and to maintaining strong partnerships with schools and the wider educational community.

The Centre has carried out two National Literacy surveys and a follow up Value Added Study. The findings in all cases have been published.

Literacy Provision Project: Following the National Literacy Surveys, a detailed case-study project has been embarked on to identify the characteristics of effective schools especially with regard to their plans to improve the quality of the education in the school with particular reference to literacy.

Effective Literacy Practices in Primary Schools: The two National Literacy Surveys and the value added study were important in gauging the literacy attainment of all Maltese pupils at Year 2 and Year 5 levels.

National Mathematics Survey: As a result of the success of the two National Literacy Studies and the value added study in literacy, a national baseline assessment of all Year 1 pupils' mathematical skills was conducted in 2004.

Modern Foreign Languages Project: The Literacy Unit is working towards improving and developing the methods of foreign language learning in schools, through the use of new technologies and other visual-aided material with specific reference to literacy. It is involved in a number of European Union and Euro-Mediterranean funded projects aimed at improving the teaching and learning of modern foreign languages through emerging pedagogies and innovative media. Projects include the creation of databases hosting language resources, bringing together foreign language specialists



from across Europe. These projects include: UNITE e-and m-learning for effective teaching and learning scenarios (FP6), Lingua projects like Lingu@net (a virtual language learning resource library); eEuroInclusion; TOOL (on-line language teaching and learning); Europodians (Language Learning via Ipods), ENLU; FEEL and so on. The large-scale EUMEDIS ODISEAME (Euro-Mediterranean project for Open and Distance Learning of Literacy in Europe, North Africa and the Middle East); TNP 2/3 Thematic Network Projects in Language and Literacy, etc.

Literacy for Employment courses for Adults: This programme was set up by the Literacy Unit in collaboration with the Paulo Freire Institute in Zejtun and the Employment and Training Corporation (ETC) for unemployed adults wishing to acquire basic literacy skills in both Maltese and English in order to be better equipped when seeking employment.

Centre Research used for National Action Plans: Data and research produced by the Literacy Unit has been used as a primary source for the drawing up of national reports like the National Action Plan for Poverty and Social Exclusion (2004) produced by the Ministry for Family and Social Solidarity and the National Action Plan for Employment (2004) produced by the Ministry for Education, Youth and Employment and the Employment and Training Corporation (ETC).

Publications

Mifsud, C.L., Richard, S., Hutchison, D. & Grech, R., *Mathematics in Malta: The National Mathematics Survey of Year 1 Pupils* (Department of Planning and Development, Education Division, Malta, 2005).

Mifsud, C.L., Grech, R., Hutchison, D. & Morrison, J.

- "The Malta Primary Literacy Value-Added Project – A Template for Value Added in Small Island States," *Research Papers in Education* (Routledge, UK, 2005).

- "The Malta National Literacy Survey of Year 5 pupils (aged 9-10)," *Research in Education* (Manchester University Press, UK, 2005).

Mifsud, C.L. & Zammit, M., "A Framework for Autonomous Language Learning via the Internet," *Best Practices in e-learning* (Editorial Ariel S. S. Spain, 2005).

Zammit, M. & Sarlo, D. (eds.), *Linking Literacies – Sustaining Literacy Skills through Information and Communication Technologies*. (Education Division, Malta and the Literacy Unit, University of Malta, 2005).

Mifsud, C.L., Grech, R., Hutchison, D., Morrison, J., Rudd, P. & Hanson, J., *Literacy for School Improvement – Value Added for Malta*. (Agenda Publishers, Malta, 2004) (supported by the UNESCO Participation Programme).

Mifsud, C.L., Richard, S. & Hutchison, D., *The Mathematics Attainment of Year 1 Pupils in Malta: Interim Report and Consultation Document on the Pilot Study* (Department of Planning and Development, Education Division, Malta, 2004).

Mifsud, C.L., Grech, R. & Dimech Llanaj, E., *Provision for Literacy in Maltese Primary Schools* (Literacy Unit Monograph Series No. 3. University of Malta, Malta, 2003).

Mifsud, C.L. & Mallia, G. (eds.), *Ways and Measures: Teaching and Assessing Young Learners of English as a Foreign Language* (Msida, Malta. World Academic, 2000).

Mifsud, C.L., Milton, J., Brooks, G. & Hutchison, D.

- *Literacy in Malta: The 1999 National Survey of the Attainment of Year 2 Pupils*. (National Foundation for Educational Research, Slough and the University of Malta, 2000) (supported by the UNESCO Participation Programme).

- *Do Schools Make a Difference? – A Report on using the Malta National Literacy Survey as a Basis for a 'School Effectiveness' or 'Value Added' Study'* (Literacy Unit Monograph Series No. 2. University of Malta, Malta, 2000).

Educational Materials

Sisien An Adult literacy Resource Pack for the teaching of Maltese consisting of three books:

Nghallmu Lsienna, Inhaddmu Lsienna and Nitharrgu fi Lsienna; an audio CD, 24 discussion cards and 16 A3 educational posters, all illustrated in colour, (2006).

The Language Resource Centre Handbook: Guidelines for setting up, running and expanding Language Resource Centres (LRCs) (Kastaniotis Editions, Athens, 2003).

LITERACY UNIT **Niktbu u Naqraw – Ktejjeb ta' Tahrig** (Literacy Unit, University of Malta, Malta, 2001).

CENTRES

European Documentation & Research Centre

Jean Monnet European Centre
of Excellence

Tel: 2340 2001

Fax: 2133 7624

Email: edrc@um.edu.mt

Website:

<http://home.um.edu.mt/edrc>

THE European Documentation and Research Centre (EDRC) was established at the University of Malta in 1992. In 2004, it was granted the status of *Jean Monnet European Centre of Excellence* by the European Commission. It operates as a research, consultancy and teaching centre in the area of European policy studies. The EDRC organises a number of courses in European Studies which cross disciplinary boundaries and include elements of law, political science, international relations and economics. In addition, the EDRC publishes papers, studies and books on developments in the EU and on EU-Malta and Euro-Mediterranean relations. It organises conferences and seminars for a wide range of audiences and publishes a regular *Newsletter*. It also houses the European Documentation Centre (EDC) containing a wide variety of EU official information which is open to the public. Access: <http://home.um.edu.mt/edrc/edc.html>

Courses Offered

Undergraduate:

Bachelor in European Studies

Bachelor in European Studies (Honours)

Postgraduate:

Master of Arts in European Studies

M.Phil.

Subject Areas Taught: Law; Economics; Politics; History of European Integration.

Areas of Research: Development of the EU; External Relations of the EU; Euro-Med Relations; EU-Malta Relations; European Integration Studies.

Research Projects: The EDRC coordinates the following *Jean Monnet Research Projects*: The Civil Society Project; Malta European Studies Association (MESA) Activities.

The EDRC is participating in the following *Jean Monnet Research Project*:

The Role of Intercultural Dialogue for the Development of a new (plural, democratic) citizenship.

International Links: Centre on Human Rights and Rights of Peoples, University of Padova, Italy; Universidad Autonoma de Madrid; Sussex European Institute, University of Sussex; Centre for European Studies, University

of Limerick; Faculté des Sciences Juridiques, Politiques et Sociales de Tunis. University of Tunisia; Tel Aviv University; Université Saint Esprit de Kaslik, Lebanon; Marmara University, Turkey; University of Cyprus; University of Ghent, Belgium; University of Casablanca, Morocco; University of Aix-en-Provence, France; TUNAECS (European Studies Association of Tunisia); European Studies Association of Cyprus; European Studies Association of Morocco.

Publications

Online Newsletter (Quarterly): <http://home.um.edu.mt/edrc/newsletter.html>

Civil Society Projects Reports

Xuereb, P. G. (ed.):

- *The Family, Law, Religion and Society in the European Union and Malta* (Dormax Press, 2006).

- *Anti-Discrimination, Inclusion and Equality in Malta* (Progress Press, 2005).

EU-MED Series

Xuereb, P. G. (ed.):

- *The European Union and the Mediterranean's European Challenge, Volume V* (Media Centre Print, 2004).

- *Euro-Med Integration and the Ring of Friends – The Mediterranean's European Challenge, Volume IV* (Media Centre Print, 2003).

- *Euro-Mediterranean Integration – The Mediterranean's European Challenge, Volume III* (PEG Ltd., 2002).

- *The Mediterranean's European Challenge, Volume II* (PEG Ltd., 2000).

The Constitution for Europe

Xuereb, P. G. (ed.):

- *The Constitution for Europe: An Evaluation* (Media Centre Print, 2005).

- *The Value(s) of a Constitution for Europe* (Media Centre Print, 2004).

Earlier Publications may be accessed at: <http://home.um.edu.mt/edrc/publications>



CENTRES

Euro-Mediterranean Centre for Educational Research

Tel: 2133 8126

Fax: 2131 7938

Email: emcer@um.edu.mt

Website: [http://](http://www.educ.um.edu.mt/mep)

www.educ.um.edu.mt/mep



THE Euro-Mediterranean Centre for Educational Research (EMCER) was established in 2002 as an extension of – and incorporating – the Comparative Education Programme in Euro-Mediterranean Studies (CEPems). The latter was set up in 1994, under the auspices of the Faculty of Education and focused principally on comparative research and analysis of the educational systems in Southern Europe, North Africa and the Middle East. EMCER extends the work done by CEPems and sets out to develop a Mediterranean base for collaboration with other universities of repute in order to offer postgraduate research degrees to service the educational development needs of the region. It also offers consultancy services in quality assurance in education at all levels.

The Centre was awarded the *UNESCO Chair in Mediterranean Education Studies* and manages the UNESCO's *Unitwin Network of Mediterranean Education Scholars*. Research has been carried out in several Mediterranean and Arab countries including Syria, Palestine, Tunisia, Lebanon and the United Arab Emirates on behalf of such organizations and entities as UNICEF, UNESCO, the European Union and the OECD.

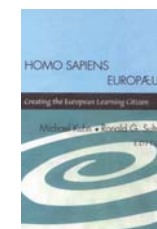
The objectives of the Centre are “To develop South-South and North-South dialogue in the field of education and through this to enhance the possibility of mutual understanding and cooperation among the people of the Mediterranean in the various spheres of life.”

The various initiatives which the Centre is involved in include:

- The *Mediterranean Network of Education Scholars* which presently includes more than 250 members who benefit from the Centre's international contacts. One activity of this network is the publication of the *Directory of Mediterranean Education Scholars*, a data base on educational expertise in the region. International agencies and scholars regularly contact the Programme for the nomination of experts in specific fields in relation to projects and initiatives that are being launched.

- The *Mediterranean Journal of Educational Studies* reports educational research and discusses concerns related to Mediterranean countries and to the diaspora of Mediterranean people worldwide. The biannual journal is now in its 23rd issue and recent special issues have focused on higher education in the Mediterranean, multilingualism and education and special needs education.

- The *Selmun Seminar in Mediterranean Education Studies* constitutes a distinctive and distinguished forum bringing together education scholars of international repute from each country in the Mediterranean basin. The Selmun Fellows present state-of-the-art reviews of educational development in their respective systems and propose and pursue collaborative educational research projects on topics judged to be of regional concern. In this way, the *Selmun Seminar in Mediterranean Education*



Studies contributes directly to the strengthening of the links between countries of the South, facilitating mutual understanding, cooperation and the transfer of knowledge. The first Seminar took place in 1999 and was sponsored by UNESCO. The focus was innovation in meeting educational challenges in the region.

• *Research Projects:*

MEDSUI - a Joint Actions Project (Socrates, Leonardo & Youths Programme)

CROSSLIFE - an EU Commission project on Vocational Education and Training.

- The *Mediterranean Education Documentation Centre* stocks and distributes research studies related to education in Mediterranean countries.

- The EMCER website carries information about the Programme and its various initiatives and has links to sites that are of interest to educational scholars.

Courses Offered

Postgraduate:

Master of Arts in Comparative Euro-Mediterranean Education Studies

International Links: The Centre has privileged relations with several Faculties and Institutes of Education in the Mediterranean region and contacts with many associations and bodies including: ALECSO; AMIDEAST; *Association Francophone d'Education Comparée*; *Culturelink*; *European Cultural Foundation*; *Fondazione Laboratorio Mediterraneo*; *Fondation René Seydoux*; *Fondation du Roi Abdul-Aziz*; *Institut du Monde Arabe*; *Institut de Recherches et d'Études sur le Monde Arabe et Musulman*; *La Maison Méditerranéenne des Sciences de l'Homme*; SECUM, UNESCO's Mediterranean Programme and the World Council of Comparative Education Societies.

Publications

Mediterranean Journal of Educational Studies

Directory of Mediterranean Education Scholars

Other publications include:

Sultana, R. G., *Challenges for Career Guidance in Small States* (Malta. EMCER, 2006).

Kuhn, M. & Sultana, R. G., (eds.) *Homo Sapiens Europaeus? Creating the European Learning Citizen* (New York. Peter Lang, 2006).

Sultana, R. G., & Watts, A.G., *Career Guidance in Europe's Public Employment Services. Trends and Challenges* (Brussels. European Commission, 2005).

Sultana, R. G., (ed.) *Teacher Education in the Mediterranean Region: Responding to Challenges facing Societies in Transition* (New York. Peter Lang, 2002).

Sultana, R. G., (ed.) *Challenge and Change in the Euro-Mediterranean Region: Case Studies in Educational Innovation* (New York. Peter Lang, 2001).

Akkari, A., Sultana, R. G. & Gurtner, J.-L., (eds.) *Politiques et Stratégies Éducatives: Termes de l'Échange et Nouveaux Enjeux Nord-Sud* (Berne. Peter Lang, 2001).

A number of monographs detailing qualitative case studies about educational innovation in the region are presently being published by UNICEF. These include *Core Competencies: Ensuring Quality Education in Tunisia*; *An EMIS for Palestine: The Education Management Information System in West Bank and Gaza Strip*; *The Global Education Initiative: Syria's Flying Carpet and Education under Siege* and *The Remedial Distance Education Project in Hebron*.

CENTRES

Euro-Mediterranean Centre on Insular Coastal Dynamics (ICoD)

Tel: 2133 3903

Fax: 2133 6450

Email: icod@icod.org.mt

Website:

<http://www.fis.org.mt/icod>

THE Euro-Mediterranean Centre on Insular Coastal Dynamics (ICoD) was established in 1988 within the framework of the Foundation for International Studies, University of Malta. It forms part of a network of specialised Centres pertaining to the Council of Europe's Open Partial Agreement on *Major Natural and Technological Hazards* (EUR-OPA) to which Malta has been party since its inception in 1987. Through membership of this and other Euro-Mediterranean networks, ICoD organises research, training and educational activities on integrated coastal area management at the regional and international level.

The Coastal Area Management Programme

ICoD's main area of specialisation is Coastal Area Management, within which field the Centre carries out education, training and research activities at a Euro-Mediterranean level and within the Black Sea region.

The objectives of the Coastal Area Programme are to:

- carry out research at a Euro-Mediterranean level on interactive processes at the coast, with special reference to insular environments and to develop a better understanding of the interaction of the human/natural interface at the coast;
- promote discussion on thematic issues within coastal area management targeting users, planners and managers through the organisation of symposia, conferences, workshops and training;
- design and apply technical methodologies related to environmental data gathering and their application to the management of coastal areas;
- raise public awareness and academic interest in pressing environmental issues through information gathering and dissemination on a local and regional scale as well as networking.

Activities organised by ICoD in this field have addressed varied issues among which:

- coastal risk management;
- island-specific coastal issues;
- beach management;
- coastal ecotourism and
- recreational uses of the coast.



ICoD's Current Activities include:

- Bi-annual International Conference Series on the Management of Coastal Recreational Resources – Beaches, Yachting and Coastal Ecotourism;
- Annual Commonwealth Training Course on the Management of Coastal Recreational Tourism;
- Research on the State of Beach Management in the Mediterranean - development and application of the Bathing Area Registration & Evaluation (BARE) System in Mediterranean Coastal States;
- Coastal Scenic Evaluation (also comprising Coastal Footpaths in the Maltese Islands) - development and application of a novel evaluation technique for quantifying the value of scenery within a management scenario;
- Participation in various EU-funded projects in partnership with other Euro-Mediterranean Institutions.

Publications

Galdies, C., (ed.) *Support of Remote Sensing Techniques to Planning and Decision Making Processes for Sustainable Development in Malta* Proceedings of the National Forum organised by the Euro-Mediterranean Centre on Insular Coastal Dynamics and Centro di Telerilevamento Mediterraneo ERS/RAC 6th July 1999 (Malta. Foundation for International Studies, 1999).

Galdies, C., (Principal Author) UNEP/RAMOG: *Manual on the Biomarkers Recommended for the MEDPOL Biomonitoring Programme* (Athens. UNEP, 1999).

Training Manuals produced for use during ICoD training courses and a number of scientific publications are also available.

CENTRES

European Centre of Gerontology

Tel: 2340 2237/8

Fax: 2131 9526

Email: eurgeront@um.edu.mt

Website:

<http://home.um.edu.mt/eurgeront>

THE European Centre of Gerontology was originally established as the Institute of Gerontology set up in 1989 to develop interdisciplinary teaching, education and research in a wide range of areas in the field of ageing. The postgraduate courses offered, present a unique opportunity for a systematic multidisciplinary training in the areas of Gerontology and Geriatrics. The postgraduate diploma course was designed by an international group of experts during a meeting convened in 1989 by the International Institute on Ageing, United Nations – Malta, and with the participation of representatives from ILO, WHO, and UNESCO. Through the variety of its courses, the Centre provides opportunities for the correlation of theory and practice and experience in innovative practices, service planning and delivery. The Centre is also responsible for the running of a University of the Third Age, pre-retirement programmes, seminars and fora both at the national and international levels.

Courses Offered

Postgraduate:

Postgraduate Diploma in Gerontology and Geriatrics

Masters in Gerontology and Geriatrics

European Masters in Gerontology

M.Phil./Ph.D.

Subject Areas Taught: Population Ageing: A Social Overview; Sociology of Ageing; Health Promotion in Older Persons; Biology and Physiology of Ageing; Psychology of Ageing; Research and Evaluation in the field of Ageing; Clinical Aspects of Old Age; Medical and Social Rehabilitation of Older Persons; Social Policies and Strategies; Medical Problems in Old Age; Programmes and Services: International Comparisons; Psychogeriatrics; Geriatric Supportive Services; Drugs for Older Persons; Social Welfare with Older Persons; Epidemiology; Income Security for Older Persons.

Areas of Research: Class analysis; Education for older persons; Gender differences; Social Policy issues; Retirement; Social change; Social networks.

International Links: The Centre cooperates very closely with the International Institute on Ageing, United Nations – (INIA Malta); in 1995, the World Health Organisation designated the Centre as a WHO Collaborating Centre for Healthy Ageing; in 1997, the Centre became a member of the *Mediterranean and Middle East Gerontological and Geriatric Association*; in 2001, the Centre started forming part of a European consortium aimed at running the European Masters Programme in Gerontology (EuMaG).



The Centre collaborates very closely with a number of University Institutes and Centres in the field of Ageing, throughout the world. The number of applications from foreign students received annually bear witness to its international reputation. During the years 1990-2006, the Centre attracted over 240 students from 45 different countries to read for the Postgraduate Diploma. A number of foreign students have also successfully completed the Masters degree.

CENTRES

Gozo Centre

Mgarr Road, Xewkija, Gozo
 Tel: 2156 4559
 Fax: 2156 4550
 Email : ugc@um.edu.mt
 Website:
<http://home.um.edu.mt/ugc>

THE University of Malta Gozo Centre was set up in 1992 with the collaboration of the Ministry for Gozo. The Centre organises part-time degree, diploma and short term courses in Gozo and also caters for the needs of the increasing number of students from Gozo who study on the main campus. Public Lectures on various topics and social events are also organised. Seminars on various themes have been organised including: *Tourism in Gozo, Gozo and Its Culture, Gozitan Famous Personalities, Women in Gozo, Education in Gozo, Older Persons in Malta and Gozo*. The Centre is also equipped with international conference facilities.

The building where the Centre is housed was originally constructed in the mid-nineteenth century. It was transformed into a University establishment - retaining its original structure - with the support of the Ministry for Gozo and inaugurated as a University Centre by the Prime Minister in May 1996.

Courses Offered

Diploma:

- Diploma in Commerce
- Diploma in Lace Studies
- Diploma in Facilitating Inclusive Education

Undergraduate:

- Bachelor of Arts
- Bachelor of Commerce

Postgraduate:

- Postgraduate Diploma in Educational Administration and Management
- Master of Arts in History
- Master of Arts in Islands and Small States Studies

Programmes

- Atmospheric Pollution Programme
- Lace Making Programme

Publications

The Gozo Observer (issued twice a year)

The University Gozo Centre: From Vision to Reality (2002).

Gozo Past and Present (2002).

The Effects of EU Membership on the Island Region of Gozo (2000 in collaboration with the Gozo Business Chamber).

Let's go to Wied il-Lunzjata (2000 in collaboration with the International Tree Foundation).

INSTITUTES

Institute of Agriculture

Tel: 2340 2322
 Fax: 2134 6519
 Email : ioa@um.edu.mt
 Website:
<http://home.um.edu.mt/ioa>

AGRICULTURE is first listed among the new subjects introduced by the University in 1906 along with Applied Chemistry. The Institute of Agriculture was established in 1993 to organise degree and diploma courses in agricultural sciences while also conducting research in the subject with particular reference to the needs of Maltese agriculture. The Institute assists in the development of national agricultural plans and in the study of efficient uses of local agricultural resources.

In 1997 the Institute was requested by Government to participate in the National Commission for Agriculture and Fisheries to prepare a long term plan for the sustainable development of local agriculture and fisheries. A memorandum of Understanding between the University and the Ministry for Rural Affairs and the Environment was signed in February 2005.

Courses Offered

Diploma:

- Diploma in Agriculture
- Diploma in Water Operations Management

Undergraduate:

- Bachelor of Science (Honours) in Mediterranean Agro-Eco System Management

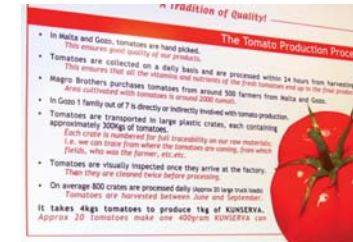
Postgraduate:

- Master of Science in Agricultural Sciences
- Master of Science in Agricultural and Veterinary Pharmacy
- M.Phil./Ph.D.

Subject Areas Taught: Mediterranean Agricultural Sciences; Agricultural and Veterinary Pharmacy; Mediterranean Natural Resources Management.

Areas of Research: Aromatic & Medicinal Plants; Micropropagation; Maltese Soils; Maltese Forage Crops; Irrigation Systems; Animal Science; Water Resources Management.

International Links: Centre International de Hautes Etudes Agronomiques Méditerranéennes (CIHEAM); The European Association for Animal Production (EAAP); Association of Agricultural Research Institutions in the Near East and North Africa (AARINENA); Universities of Bologna, Palermo, Perugia Sassari and Udine, Italy.



INSTITUTES

Institute of Anglo-Italian Studies

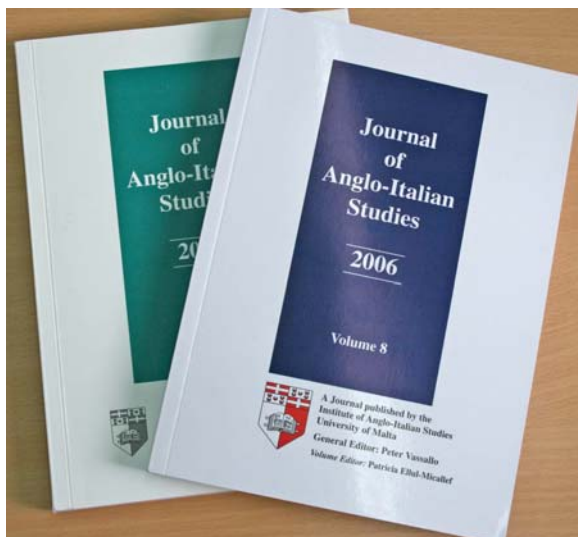
Tel: 2340 2266

Fax: 2131 7938

Email: angloitalian@um.edu.mt

Website:

<http://home.um.edu.mt/angloitalian>



THE chief objectives of the Institute of Anglo-Italian Studies established in 1988 are to conduct research in the field of Anglo-Italian cultural relations with special reference to literature and language and to hold international conferences, seminars and similar meetings on topics in this area of interest. To date, five international conferences have been held while the first of eight issues produced so far, of the *Journal of Anglo-Italian Studies* was published in 1991. The Journal is listed in the Modern Languages Association *Directory of Learned Journals*.

Areas of Research: British Writers in the Mediterranean; Anglo-Italian Literary and Cultural Relations.

International Links: La Trobe University, Australia; Trinity College, Dublin, Ireland; *in Italy:* University of Bologna; Università Cattolica del Sacro Cuore, Milan; John Cabot University, Rome; *La Sapienza* University, Rome; San Pio V University, Rome; University of Leiden, The Netherlands; *in the UK:* University of Bristol; University of Durham; University of Edinburgh; University of Glasgow; University of Leicester; University of Oxford; University of St. Andrew's.

Publications

Journal of Anglo-Italian Studies

Sammut, A., *Bibliography of Anglo-Italian Comparative Literary Criticism 1800-1990* Vassallo, P. & Lanza, F. (eds.) (University of Malta, 1997).

INSTITUTES

International Institute for Baroque Studies

Tel: 2340 2772

Fax: 2133 3919

Email: iibs@um.edu.mt

Website:

<http://home.um.edu.mt/iibs>



THE International Institute for Baroque Studies promotes the pursuit of interdisciplinary academic studies on various aspects of European Baroque culture by serving as a focal centre for both local and foreign scholars involved in research in this field. The Institute also provides advice and assistance in the conservation of the local Baroque heritage and constitutes a research resource centre on Baroque art and architecture in Malta. Symposia, lectures and exhibitions designed to lead to a greater appreciation of Baroque culture are organised regularly.

Courses Offered

Certificate/Diploma:

Certificate/Diploma in Baroque Architecture

Postgraduate:

Master of Arts in Baroque Studies

M.Phil./Ph.D.

Subject Areas Taught: Baroque Studies: Political, religious, scientific and intellectual scenarios in the baroque age; City planning and fortification design; Architecture; Painting; Sculpture; Literature; the Baroque Theatre; Conservation of the Baroque heritage.

Areas of Research: Baroque art and architecture; Conservation of the Baroque heritage.

International Links: *in Italy:* University of Catania; University of Palermo; University of Reggio Calabria; *Accademia Nazionale di San Luca*, Rome; *Accademia dei Lincei*, Rome; *Università 'La Sapienza'*, Rome; University of Liverpool, UK.

Publications

Journal of Baroque Studies

Baroque Routes Newsletter

De Lucca, D., *Francesco Buonamici-Painter, Architect and Military Engineer in seventeenth century Malta and Italy* (University of Malta, 2006).

- *A Description of Baroque Malta* by Albert Jouvin de Rochefort (Malta. Mid-Sea Books Ltd., 2004).

- *Mondion: The Achievement of a French Military Engineer Working in Malta in the Early 18th Century* (Malta. Mid-Sea Books Ltd., 2003 on behalf of the International Institute for Baroque Studies).

- *Giovanni Battista Vertova: Diplomacy, Warfare and Military Engineering Practice in Early 17th Century Malta* (Malta. Mid-Sea Books Ltd., 2001).

INSTITUTES

The Edward de Bono Institute for the Design & Development of Thinking

Tel: 2340 2434
Fax: 2132 3981
Email: instituteofthinking@um.edu.mt
Website:
<http://home.um.edu.mt/create>



THE Edward de Bono Institute was initially set up as a Programme in October 1992 in collaboration with Dr. Edward de Bono of Lateral Thinking fame. The Institute aims to generate debate and discussion on creative thinking and the direct teaching of thinking skills. It offers specialised services including consultancy to other sectors of the University and lectures are delivered to students in various faculties.

Regular seminars and international conferences on creative thinking are organised by the Institute and four books with selected conference proceedings have been published to date. An examination in general thinking skills is also held following the annual Edward de Bono Seminar.

The Edward de Bono Institute for the Design and Development of Thinking collaborates with other entities both within and outside the University of Malta and ongoing projects include research on the effects of the direct teaching of thinking in state primary and secondary schools in Malta.

Courses Offered

Postgraduate:

Master of Arts in Creativity and Innovation

Subject Areas: Thinking Skills; Creative Thinking; Lateral Thinking; Innovation; Human Resources training in thinking skills; the direct teaching of thinking.

Areas of Research: Thinking Skills; Creative Thinking; Lateral Thinking; Innovation; Human Resources training in thinking skills; the direct teaching of thinking; Artificial Intelligence; Philosophy of Mind.

Research Projects: The Edward de Bono Institute is coordinator of an ERASMUS curriculum development project which commenced in October 2006. This involves the design and piloting of elnnForm - A European Masters Programme in Innovation and Foresight - over a period of three years. The partner institutions involved in this project are the University of Teesside, UK the University of Potsdam, Germany and the University of Turku, Finland.

International Links: University of Aalborg, Denmark; University of Turku, Finland; University of Potsdam, Germany; University of Teesside, UK. Other research and cooperation links exist with Universities and Institutes in England, Taiwan and Italy.

Publications

Dingli, S. (ed.),

- *Designing Future Possibilities*, Selected Proceedings of The Fifth International Conference on Creative Thinking (Malta University Press, 2007).

- *Creative Thinking: An Indispensable Asset for a Successful Future*, Selected Proceedings of The Fourth International Conference on Creative Thinking (Malta University Press, 2002).

INSTITUTES

Institute for Energy Technology

Triq il-Barrakki, Marsaxlokk
Tel: 2165 0675, 2165 2249
Fax: 2165 0615
Email: ietmalta@um.edu.mt
Web site
<http://home.um.edu.mt/ietmalta>



THE Institute for Energy Technology was set up to assist in the development of national energy plans through studies in the use of new or renewable energy sources, of methods and techniques of energy conservation and to disseminate methods.

Courses Offered

Undergraduate:

Optional credit: Introduction to Energy Technology

Final Year Energy Technology project

Postgraduate:

Energy Technology project

M.Phil.

Subject Areas Taught: Energy Utilisation; Renewable Energy; Energy Efficiency; Weather parameters.

Areas of Research: Energy utilisation and conservation; renewable energies; solar thermal energy; photovoltaic electricity generation; Wind monitoring and resource studies; analysis of weather parameters; thermal response of buildings.

International Links: Fraunhofer Gesellschaft, Institute for Solar Energy, Freiburg, Germany; Università di Palermo, Italy; University of Valladolid, Spain; Centre for Renewable Energy Systems Technology (CREST), Loughborough University, UK; James Madison University, Virginia, USA.

Publications

See <http://home.um.edu.mt/ietmalta/research.htm>

INSTITUTES

Institute of Forensic Studies

Tel: 2134 6016
 Fax: 2340 2771
 Email:
forensic.criminology@um.edu.mt

THE Institute of Forensic Studies is involved in research and teaching in the field of Forensic Sciences, including Forensic Medicine, Criminology, related social policy issues and similar areas of study. It also acts as a resource centre for the provision of experts and expertise in the various fields of its activity to the Courts of Justice, Government, NGOs and other entities. Furthermore, it acts as an advisory body to the Government on matters pertaining to criminal justice. It trains criminal justice personnel and is involved in the administration of the Maltese correctional services.

Courses Offered

Certificate:

Certificate in Criminology

Diploma:

Diploma in Criminology

Diploma in Policing

Undergraduate:

Bachelor of Arts [Criminology]

Postgraduate:

Postgraduate Diploma in Probation Services

Subject Areas Taught: Criminal Justice System; Criminal Law & Procedure for Criminal Justice Personnel; Ethics & Human Rights in Criminal Justice; Juvenile Delinquency; Domestic Violence; Crime Prevention; Crime Investigation; Legal; sociological; anthropological and ethical aspects of Criminology; Forensic Pathology; Policing; Correctional Measures; Probation Services.

Areas of Research: corrections; policing; domestic violence; illegal immigration; rape; stalking and employability after prison.

Research Projects: The Institute of Forensic Studies is participating in two Daphne projects one on *Date Rape* and another on *Stalking*. Together with the Corradino Correctional Facilities the Institute is coordinating and participating in a Grundtvig 2 Learning Partnership on training offenders for employment.

International Links: Police College, Hungary; University of Tel Aviv, Israel; Associazione Nazionale di Famiglie Emigrati, Delegazione Regionale Sicilia, Italy; *in the UK:* Scarman Centre, University of Leicester; University of Manchester.



INSTITUTES

Institute of Health Care

Mater Dei Hospital
 Tal-Qroqq
 Email: ihc@um.edu.mt
 Website:
<http://home.um.edu.mt/ihc>

THE Institute of Health Care was set up in 1987. It aims to achieve excellence in health education and to foster research in the related disciplines. The Institute provides diploma and undergraduate degree courses as well as opportunities for postgraduate education. It is also responsible for the running of continuing professional development courses ensuring that registered practitioners are kept abreast of advances in the health care field and related technologies.

Courses Offered

Diploma:

Diploma in Health Science in:

- Dental Technology
- Environmental Health
- Nursing
- Psychiatric Nursing
- Podiatry

Bachelor of Science [Health Science] (Honours)
 (for qualified first level nurses)(p/t):

- Community Nursing
- Mental Health Nursing
- Nursing

Undergraduate:

Bachelor of Science [Health Science] (Honours) in:

- Communication Therapy
- Dietetics
- Environmental Health
- Medical Laboratory Science
- Midwifery
- Nursing
- Nutrition
- Occupational Therapy
- Physiotherapy
- Podiatry
- Radiography

Postgraduate:

Postqualification Diploma:

- Health Services Management
- Nutrition and Dietetics

Master of Health Science:

- Environmental Health
- Health Service Management
- Nursing/Midwifery



Divisions

- Communication Therapy
- Dental Technology
- Environmental Health, Nutrition & Dietetics
- Health Services Management
- Medical Laboratory Science
- Nursing/Midwifery
- Occupational Therapy
- Physiotherapy
- Podiatry
- Radiography

• Communication Therapy

Subject Areas Taught: Communication skills for health care professionals; communication disorders: prevention assessment and therapy; audiology; clinical linguistics; research methods.

Areas of Research: Developmental speech and language acquisition and disorders in bilingual populations.

Research Projects: Communication Disorders in the Maltese Population: Marie Curie Fellowship for Transfer of Knowledge FP6-2002-Mobility-3-Under the European Community programme *Structuring the European Research Area. Fluency and Fluency Disorders Module:* Socrates Erasmus programme. Development of a European module that aims at developing a joint postgraduate European specialisation module. Specialists in fluency disorders from participating departments contribute their personal expertise to develop this module. *European research network for first-language acquisition with emphasis on semantics/pragmatics and language impairment (SLI).* Cost Action A33: an intergovernmental framework for European cooperation in the field of scientific and technical research. *Multilingual glossary project:* Compilation and translation of terms related to speech language pathology in various European Languages including Maltese. *European Network for Speech Language Therapy:* 17 participating institutions.

International Links: in Belgium: Lessius Hogeschool, Antwerp; University of Ghent; Catholic University of Leuven; Trinity College, Dublin; University of Oulu, Finland; University of Strathclyde, Scotland; the Coordinator is Secretary on the Executive Committee of the International Association of Logopedics and Phoniatics.

• Dental Technology

Subject Areas Taught: Introduction to dental technology; Dental technology techniques; Anatomy; Chemistry; Sociology; Biochemistry; Research methods; Dental Anatomy; Microbiology; Dental materials science; Metallurgy; Tooth form and occlusion; Health information science; Complete denture prosthetics; Partial denture prosthetics; Orthodontics; Chrome cobalt dentures; Crown and bridgework; Study of science and laboratory techniques related to acrylic, precious and non-precious metals, porcelain and composites.

International Links: in the UK: University of Manchester; University of Leeds.

• Environmental Health

Subject Areas Taught: Introductory and undergraduate Chemistry, Biology, Microbiology, Food Chemistry, Food Microbiology; Epidemiology and aspects of public health; Legislation (general structure and legislation that governs food composition and quality); Environmental Stewardship; TQM and HACCP systematic preventive approach to food safety.

Areas of Research: Food Quality and Safety.

Research Projects: Participation in ISEKI FOOD 1(2002-2005) and ISEKI FOOD 2 (2006-2008). These are Socrates Erasmus Networks that have dealt and deal with the Integration of Safety and knowledge of food and the European sustainable development of such knowledge. Curriculum development, e-learning and leaflet and book publications are part of the remit of these networks. In this project the Environmental Health Division, IHC, has had a book publication on Food safety: *Food Safety, A Practical And Case Study Approach* McElhatton, A. & Marshall, R. (eds.) (New York. Springer-Verlag, 2006).

International Links: International Federation of Environmental Health.

• Nutrition and Dietetics

Subject Areas Taught: Nutrition.

Areas of Research: Obesity.

Research Projects: Erasmus Dietetics Framework Programme.

International Links: UWIC University of Wales Institute, Cardiff; British Nutrition Society.

• Health Services Management

Subject Areas Taught: Health Systems; Health Policy; Epidemiology; Health Economics; Human Resources; Organisations; Health Information; Strategic Management; Financial Management; Operations Management; Quality in Health Care; Communications; Ethics; Research Methods; Statistics.

Areas of Research: European health policy; Clinical Management; Health needs of vulnerable groups; Leadership and team work in health care; Health Services utilisation; Quality and patient safety.

Research Projects: Patient Mobility in the European Union (*recently completed FP6 project*).

International Links: WHO Observatory on Health systems & Policies; London School of Hygiene & Tropical Medicine; London School of Economics & Political Science; Trinity College Dublin; IESE Barcelona; University College London; Università Cattolica Rome; Faculty of Public Health Medicine, UK; European Public Health Association; European Health Management Association.

• Medical Laboratory Science

Subject Areas Taught: Biochemistry; Cell Biology; Laboratory Safety; Microbiology; Virology; Clinical Biochemistry; Molecular Biology/Genetics; Haematology; Immunology; Transfusion Medicine; Cellular Pathology; Epidemiology; Quality Control and Quality Assurance; Research Methods; Laboratory Management; Ethics; IT; Histology.

Areas of Research: Genetics of Osteoporosis.

International Links: Pirkanmaa University of Applied Sciences, Tampere, Finland. Institute of Biomedical Science (IBMS) UK.

The B.Sc.(Hons.) in Medical Laboratory Science was awarded accreditation by IBS, UK for the period 2001 - 2005.

• Nursing/Midwifery

Subject Areas Taught: Biomedical Sciences; Behavioural and Social Sciences; The Art and Science of Nursing and related subjects like Nutrition; Pharmacology and also Clinical Care and Skills in the following general areas: Medical and Surgical Nursing; Maternity and Child Care; Elderly, Mental Health and Community Care. Specialist areas include: Oncology; Critical Care; Emergency; Orthopaedics; Cardiac; Mental Health and Public Health. Also: Ethics; Research; Contemporary Issues; Management and Education.

Research Projects: Comparative longitudinal study between University of Malta, University of Wales at Cardiff, Thailand, Brunei, South Bohemia, Tirana and Korce Albania, exploring differences between universities and relationships between self esteem and stress in nursing and midwifery students; Longitudinal study exploring demographic differences in student nurses' perceptions of caring and nursing in collaboration with Hull University; Exploring stress and coping in patients with terminal illness receiving care from the Malta Hospice Movement; Stress, coping and purpose in life of patients with HIV and AIDS in Malta and satisfaction with the services provided in collaboration with Infectious Diseases Unit, St. Luke's Teaching Hospital, (SLH), Malta; Comparative study of stress and coping of institutionalised Maltese elderly in Maltese Elderly Homes in Melbourne and Sydney, Australia, Malta and Gozo.

International Links: Katholieke Hogeschool Kempen, Turnhout, Belgium; Thisted Sygeplejeskole, Thisted, Denmark; Pirkanmaa Polytechnic, Tampere and University of Applied Sciences, Savonia, Finland; University College, Dublin, Ireland; Università degli studi di Verona, Italy; Windesheim University, Zwolle, The Netherlands; Escola de Enfermagem de D Ana Guedes, Portugal; Univeritat de Lleida, Catalonia, Spain; Karolinska Institute, Sweden; *in the UK:* Robert Gordon University, Aberdeen, Scotland; University of Glamorgan, Wales; University of Hull; Salford University.

• Occupational Therapy

Subject Areas Taught: Orientation to Occupational Therapy; Human Occupation across the Lifespan; Theoretical and Conceptual Knowledge in Occupational Therapy; Occupational Therapy Skills and Media; Assessment and Documentation in Physical and Psychosocial Dysfunction; Performance Skills and Client Factors in

Neurorehabilitation; Principles of Biomechanical Intervention in Upper Extremity Rehabilitation; Occupational Therapy Practice in Geriatrics; Occupational Performance Areas and Contexts; Assistive Technology; Universal Design; Conditions of Human Physical Dysfunction; Conditions of Human Psychosocial Dysfunction; Skill Laboratories; Professional Issues in Occupational Therapy; Fieldwork.

Areas of Research: Perspectives on Professional Qualification; Cardiac Rehabilitation; Occupational therapy with preschool autistic children; Perspectives on Paediatric Practice; Perspectives on Roles in Psychosocial Practice; Fieldwork Education; Sensory Integration.

Research Projects: Interdisciplinary Cooperation: The Division forms part of iBERG (Interdisciplinary Biomedical Engineering Research Group) which is seeking to set up research projects across professions within the Institute of Health Care and the Faculty of Engineering.

International Links: Dalhousie University, Halifax, Nova Scotia, Canada; Arcada University, Finland; Karolinska Institutet, Sweden; *in the UK:* University of East London; Peninsula Postgraduate Health Institute (affiliated to the University of Plymouth); *in the USA:* Colorado State University; San Jose State University, California.

• Physiotherapy

Subject Areas Taught: Anatomy; Health Promotion and Health Education; Health Services Management; Pharmacology; Pathology; Physiology; Psychology; Research; Sociology; Cardiopulmonary Rehabilitation; Rehabilitation in Surgical Intervention; Manipulative Therapy; Kinesiology; Introduction to PreClinical Skills; Women's Health; Musculoskeletal Physiotherapy; Development of Critical and Reflective Practice; Oncology and Palliative Care; Rehabilitation of the Amputee; Electrotherapy; Thermal Agents; Neurological Rehabilitation; Rehabilitation of the Older Adult; Care of the Child; Physiotherapy in Mental Health; Pain Management.

Areas of Research: Domicillary Physiotherapy in the Rehabilitation of the Stroke Patient; The Physiotherapy Curriculum; Entry Qualifications vs. Final Classification; Core Exercises in the Treatment of Low Back Pain.

International Links: Socrates Agreements with: *in Denmark:* Skodsborg Institute; Naestved University; *in Finland:* Arcada University, Helsinki; Lahti University; Università di Verona, Italy; Università Católica di San Antonio, Murcia, Spain; Karolinska Institute, Sweden.

• Podiatry

Subject Areas Taught: Pre-clinical Podiatry; Podiatric assessment.

Areas of Research: Diabetes.

International Links: University of Staffordshire, UK.

• Radiography

Subject Areas Taught: General, Regional and Sectional Anatomy; Physiology; Radiation Protection; Medical Device Science; Physics of Medical Imaging; Principles and Practice of Imaging; Clinical Imaging Practice; Quality Assurance; Pattern recognition; Pharmacology; Administration of prescribed Medicinals by Radiographers; Basic Life Support; Pathology; Skeletal Pathology; General Medicine; Patient Care; Communication Skills; Sociology; Psychology; Research Methods; Research Processes; Ethics.

Areas of Research: Imaging Procedures; Speciality Imaging including Ultrasound, CT, MRI and Nuclear Medicine; Patient Care in Imaging; Education of Health Care Professionals.

International Links: University of South Bohemia, Czech Republic; University of Tartu, Estonia; Turku University of Applied Sciences, Finland; TEI-Technological Educational Institution of Athens, Greece; *in The Netherlands:* Hogeschool Inholland Haarlem; Fontys University of Applied Sciences, Eindhoven; Hogskole I Bergen, Norway; *in Portugal:* Escola Superior de Tecnologia da Saude de Coimbra; Escola Superior de Tecnologia da Saude do Porto; *in Sweden:* University of Lund; Karolinska Institutet; *in the UK:* UCD School of Medicine and Medical Science, Ireland; School of Health Sciences, University of Ulster, N. Ireland; School of Allied Health Professions, Suffolk College.

Publications

IHC Annual Report

INSTITUTES

Institute of Linguistics

Tel: 2340 2151

Fax: 2134 5655

Email: ling@um.edu.mt

Website:

<http://home.um.edu.mt/ling>



THE Institute of Linguistics promotes and coordinates research in Linguistics and in the description of particular languages as well as in Applied Linguistics. It is involved in efforts to maintain the standard of English and Maltese for academic purposes among university students. There is ongoing collaboration with non-university bodies working within the field of Linguistics and of language and speech impairment. Guest speakers address regular meetings of *The Linguistics Circle*.

Courses Offered

Undergraduate:

Bachelor of Arts (*under the auspices of the Faculty of Arts*)

Bachelor of Arts (Honours) (*under the auspices of the Faculty of Arts*)

Postgraduate:

Master of Arts in Linguistics (*under the auspices of the Faculty of Arts*)

M.Phil./Ph.D.

Subject Areas Taught: Linguistics: Language analysis and theory; typology; phonetics; phonology; grammar (morphology and syntax); semantics; pragmatics; discourse analysis (esp. ethnomethodological conversation analysis; developmental psycholinguistics; bilingualism; applied linguistics; language planning; computational linguistics; Maltese Sign Language and Sign Linguistics. Academic Language: Academic English; Academic Maltese. The Institute contributes courses in Maltese Linguistics within the Department of Maltese and in the area of the development of Language and Literacy in the Faculty of Education.

Areas of Research: Academic English; Maltese; Maltese Sign Language; Morphology; Syntax; Language theory; Typology; Spoken communication, work and technology in the domain of air traffic control; Language acquisition of Maltese children; Language Education; Maltese Dialects; Sociolinguistics.

Research Projects: The Maltese Language Resource Server project in collaboration with the Department of Computer Science; The Maltese Sign Language (LSM) project in collaboration with the Fondazzjoni Zvilupp Lingwa tas-Sinjali Maltija; The Maltese Dialects project in collaboration with the Department of



Maltese; Foreign research work on Maltese in collaboration with the Department of Maltese.

International Links: Institut National des Langues et Civilisations Orientales (INALCO), Paris; *in Germany:* University of Bremen; University of Erfurt; University of Konstanz; University of Osnabruck; Matej Bel University, Banska Bystrica, Slovakia; Tbilisi Institute of Asia and Africa in Tbilisi, Georgia; Department of Linguistics, University of Arizona, USA.

Publications

Wettinger, G., *Kliem Malti Qadim* (2006)
(published jointly with the Department of Maltese).

Vella, O., (ed.) *Dawl Gdid fuq Vassalli* (2004)
(published jointly with the Ghaqda tal-Malti).

Borg, J., (ed.) "L-Edukazzjoni għall-Illuminizmu f'Vassalli" *L-Atti ta' l-Ewwel Konferenza Vassalli* (2004) (published jointly with the Ghaqda tal-Malti).

Camilleri, A., (ed.) *Skaluni: Ghanijiet għat-tagħlim tal-Malti fis-Sekondarja* (2001)
(published jointly with the Ghaqda ta' l-Għalliema tal-Malti).

Prosit: Ktieb ta' Eżercizzi għat-tfal (2000)
(published jointly with the Ghaqda ta' l-Għalliema tal-Malti).

INSTITUTES

Institute for Maltese Studies

Tel: 2340 2949
Fax: 2131 7938
Email: institute.maltese-studies@um.edu.mt

AS AN INTER-FACULTY area of excellence, the main objectives of the Institute of Maltese Studies are to promote the pursuit of interdisciplinary academic studies and research on various aspects of Maltese culture and identity in their widest manifestations, thereby serving as a focal point for scholars, with the aim of holding national and international seminars and other encounters in national, regional and globally comparative contexts. It is envisaged that the Institute will function as a research resource centre through the creation of a database as a reference index of publications and other relevant material in this domain. Funds permitting, it is planned to have the Institute serve as an ethnic-cultural link with Maltese and other overseas communities through the promotion of association, research, information and exchange agreements with tertiary institutions and communal bodies in the fields of migrant settlement and diaspora concerns throughout the world.

Courses Offered

Postgraduate:
M.Phil./Ph.D.

International Links: Research and cooperation links with centres for migration and Mediterranean studies have been formulated and are being pursued.

Publications

In liaison with the University of Malta's Editorial Board and University Press, among others, the Institute will seek to promote and divulgate interdisciplinary works bearing on Maltese experiences, qualities and characteristics in time and space, including the regular publication of a *Journal of Maltese Studies*.



INSTITUTES

Institute for Masonry & Construction Research

Tel: 2340 2867

Fax: 2134 6225

Email: masonry-
construction@um.edu.mt

Website: [http://home.um.edu.mt/
masonry-construction](http://home.um.edu.mt/masonry-construction)



THE Institute for Masonry and Construction Research was set up in 1994 to promote research in all aspects of masonry and in related aspects of the construction industry as relevant to Malta. The Institute is actively involved in the preservation and restoration of stone monuments and has participated in research projects with local and international organisations, studying the deterioration and conservation of stone and other building materials. The Institute also works closely with Heritage Malta on the conservation of Maltese prehistoric sites which are included in the UNESCO World Heritage list.

Courses Offered

Postgraduate:

Postgraduate Diploma/Master of Science in Conservation Technology for Masonry Buildings
M.Phil./Ph.D.

Subject Areas Taught: Theory, Methodology and Policies of Conservation; Construction Materials and Processes; Environment and Monitoring; Deterioration Mechanisms; Conservation Interventions and Management.

Areas of Research: Deterioration and conservation of limestone, including repair and consolidation; Heritage conservation, including archaeological sites; Mineral resource assessment; Structural masonry, particularly arched and vaulted structures; Repair and strengthening of structures; Numerical modelling of masonry structures; Interaction of masonry with steel and concrete structures; Energy efficiency of masonry buildings.

International Links: Research and cooperation links have been forged with a number of universities and research institutions in Europe working, in particular, on EU financed projects. Socrates agreements have also been signed with the following universities: University College London, UK; Istituto Universitario di Architettura di Venezia, Italy; Università di Pisa, Italy; University of Antwerp, Belgium.

Publications

See <http://home.um.edu.mt/masonry-construction/publications.html>

INSTITUTES

Mediterranean Institute

Tel: 2340 2430

Fax: 2132 0717

Email: medinst@um.edu.mt

Website:

<http://home.um.edu.mt/medinst>



THE main objective of the Mediterranean Institute is to promote Mediterranean studies in both the arts and social sciences, through a holistic understanding of this historic region, its culture and its people. Interdisciplinary courses covering a broad range of subject areas are organised under the umbrella of the Faculty of Arts in the fields of Anthropology, Geography, Hispanic Studies, Contemporary Mediterranean Studies, Music Studies and Theatre Studies. A varied *Work-in-Progress Seminar Series* is organised on a regular basis and the *University of Malta Geography Society* established under the umbrella of the Geography Division also organises a busy programme of public lectures and other activities.

Courses Offered

Diploma:

Diploma in Music Studies

Diploma in Sacred Music

Postgraduate:

M.Mus. (Composition or Performance)

D.Mus. (Composition or Performance)

M.S.P.C. (Master in the Science of Performative Creativity)

M.Phil. / Ph.D.

Areas of Research

Mediterranean Maritime History Network

The Mediterranean Maritime History Network (MMHN) was established in 2000 to act as a clearing house for the exchange of information concerning research currently underway relating to Mediterranean maritime history. It centres on the period from the thirteenth to the twentieth centuries and subscribes to a wide concept of maritime history. From thirty papers at its first conference held in Malta in 2002, the number of contributions more than tripled to over a hundred at its second conference held at Messina/Taormina in 2006. The third conference is scheduled for Izmir, Turkey, in 2010. For the Directory of Mediterranean Maritime

Historians, a searchable base containing information about the research interests and contact details of over 170 researchers, and for other information refer to <http://home.um.edu.mt/medinst/mmh> For further information contact the coordinator, Dr. Carmel Vassallo, at carmel.vassallo@um.edu.mt

Research Projects

The Mediterranean Institute coordinated an EU funded project, entitled *La Navigation du Savoir* on maritime heritage with the Programme Méditerranée, UNESCO.

The Institute is a partner in an Ionian University research project entitled *Greek Shipping History, 1700-1821*. The latter forms part of a larger project called *Pythagoras* which is financed by the European Union through the Greek Ministry of Education.

APPRODI - dealing with the integration of migrant communities into local communities.

Mediterranean Institute Theatre Programme

“EMA-PS: European Master’s in Performer Studies” is a programme that, for three years, had the backing of the Socrates Curriculum Development Programme to design a Joint European Master’s taught course set to be launched in October 2007. The two-year, highly interdisciplinary course, Master’s in the Science of Performative Creativity (M.S.P.C) is being operated by a network of universities whose coordinating base is the University of Malta. The other universities in the network are Paris 13, Roma ‘La Sapienza’ and Adam Mickiewicz University, Poznan. Bringing together disciplines including Cognitive Neuroscience, Cognitive Psychology, Philosophy, Sport Sciences and Performer Studies, the course focuses upon the effects which sophisticated, contemporary training regimens for theatre and sports have upon the brains of performers. It aims to inquire into the potentiation of Memory Systems and Learning Processes and the way this could empower Creativity in the most diverse fields of human endeavour – Business, Economy, Management, Education, Culture, as well as in issues which the EU has identified

as its Transversal Policies, including the struggle against social, economic and racial discrimination.

Website: <http://www.EMA-PS.com>

Email: info@ema-ps.com

Divisions

- Anthropology
- Contemporary Mediterranean Studies
- Geography
- Hispanic Studies
- Music Studies
- Theatre Studies

• Anthropology

Subject Areas Taught: Social & Cultural Anthropology; Cultures of the Mediterranean; Political, Economic, Legal & Urban Anthropology; Symbolist Anthropology; Anthropology of Gender; Anthropology of Islamic Societies; Anthropology of Child Development; Anthropology of Migration; Anthropology of Sports; Environmental Anthropology; Medical Anthropology.

Areas of Research: Economic Anthropology of Small Enterprises; Political Anthropology of North Africa; Anthropology of Law in Malta; Cultural Ecology of Maltese Farmers; Anthropology of Child Education; Anthropology of Immigration; Ethnographic Film Research; Maltese Football Culture; Maltese responses to bodily impairment; Mediterranean Ethnomusicology; Mediterranean Urban Anthropology.

Research Projects: Immigration Patterns and Management in collaboration with Berlin Institute of Comparative Social Research; Maltese responses to bodily impairment in collaboration with University College, London.

International Links: University of Aix-Marseilles, France; *in Germany:* Berlin Institute of Comparative Social Research; University of Cologne; University of Florence, Italy; *in the UK:* University College, London; University of Sussex.

• Contemporary Mediterranean Studies

Subject Areas Taught: Contemporary History of the Mediterranean; Anthropology of the Mediterranean; Geography of the Mediterranean; Contemporary Mediterranean Demography; The Mediterranean within the International Relations framework.

Areas of Research: Topics related to: Contemporary History; Geography; Anthropology and International Relations of the Mediterranean.

International Links: UniMed; UoM Link Campus, Rome, Italy; Anna Lindh Foundation.

• Geography

Subject Areas Taught: physical and human geography; planning and management; fieldwork and geographical techniques; Geographic Information Systems.

Areas of Research: land use; coastal management; the rural / urban fringe; coastal geomorphology; scree slope processes; land degradation and rehabilitation; marine parks.

Research Projects: HERODOT European Network for Geography in Higher Education. Coordination of Thematic Pillar 2. Promotion of Geography in the 21st Century; Urban transport, road pricing and sustainable mobility; Population Geography of Walled and Fortified Towns.

International Links: *in Austria:* University of Innsbruck and University of Salzburg; *in France:* University of Limoges and Le Havre University; University of Modena, Italy; Santander University, Spain; *in the UK:* University of Durham; University of London; University of Loughborough; Liverpool Hope University; University of Portsmouth; Rutgers University, USA.

• Hispanic Studies

Subject Areas Taught: Pedagogy of Spanish; Spanish Language & Literature and the History; Art History; Cinema and Performing Arts of Spain and Spanish America.

Areas of Research: Teaching of Spanish as a Foreign Language.

Research Projects: Maltese Connections with Spain through the Ages.

International Links: Instituto Cervantes.

• Music Studies

Subject Areas Taught: Musicology: Opera, Music in the Liturgy; Performance: Organ, Pianoforte, Conducting; Composition: analysis both traditional and Schenkerian.

Areas of Research: Musicology: Aesthetics; Editing of Maltese Classical Music; Palaeography; Ethnomusicology; Musics of the World; Semiotics of Music; Contrapuntal Techniques.





International Links: University of Western Ontario, London Ontario, Canada; Music School, Cyprus; Music Department, Université Paris IV-Sorbonne, France; *in Italy:* Università degli Studi di Catania; Università degli Studi di Bologna; Università degli Studi di Palermo; *in the UK:* Music Department, University of Liverpool; University College, London; Royal Holloway Music Department, University of London; Barry S Brook Center for Music Research & Documentation for RILM Abstracts of Music Literature, New York, USA.

• **Theatre Studies**

Subject Areas Taught: History of the Theatre; 20th Century Theory of Acting and Directing; Theatre and Ritual; Theatre and Philosophy; Theatre and Neuroscience; Theatre and Critical Theory; Practice-Based Approaches to Theatre.

Areas of Research: Practice and Theory of Pedagogical and Dramaturgical Processes; Postdramatic Theatre; Theatre and Pedagogy; Theatre Terminology; Critical and Cultural Theory; Effects of Contemporary Performer Training on Cognition and Creativity; Mediterranean Theatre; Theatre Ritual and Celebration; Theatre and Cultural Foresight.

Research Projects: SUPA: Summer University of Performing Arts.

International Links: ISTA and Odin Teatret, Holsterbro, Denmark; Laboratoire des Sciences et Techniques des Activités Physiques et Sportifs, Paris 13, France; *in Italy:* Dipartimento Arte, Musica, Spettacolo (DAMS), University of Bologna; The Workcenter of Jerzy Grotowski and Thomas Richards, Pontedera; Dipartimento di Scienze dello Spettacolo, 'La Sapienza,' Rome; Professor Vezio Ruggieri's Laboratori di Psicologia, 'La Sapienza,' Rome; Professor Giacomo Rizzolatti's Laboratory of Neuroscience, University of Parma; *in Poland:* Institute of Cultural Studies, Adam Mickiewicz University, Poznan; Department of Philology, Adam Mickiewicz University, Poznan; Centre for Study of Jerzy Grotowski's Work and for Cultural and Theatrical Research, Wrocław; *in the UK:* University of Kent at Canterbury; Scarborough Campus, Hull University; Centre for Critical and Cultural Theory, Cardiff University; De Montfort University, Leicester.

Publications

Journal of Mediterranean Studies

Geography Update

INSTITUTES

Institute for Physical Education & Sport

Tel: 2340 2032

Fax: 2131 7082

Email: ipes@um.edu.mt

PHYSICAL EDUCATION has been taught at the University since the establishment of the Faculty of Education in 1978. In 2002, the University Council approved the establishment of the Institute for Physical Education and Sport (I.P.E.S.).

The objectives of the I.P.E.S. are various. Apart from the provision of Certificate and Diploma courses, its brief is to carry out monodisciplinary and multidisciplinary research, organise conferences, and develop national and international links related to Physical Education and Sport whilst at the same time, preparing Faculty of Education student-teachers who have Physical Education as their main study area. In addition to this, plans are in hand to introduce other full-time undergraduate courses.



Courses

Subject Areas Taught: The I.P.E.S. has embarked on a series of evening courses to augment the qualifications of various personnel in the field of sport. These courses cater both for coaching and sport administration.

Areas of Research: The field of Physical Education and Sport covers a wide spectrum of activities. Thus, all the sport disciplines and the sciences are possible areas of study. Within the sciences one may include medicine, psychology, sociology, pedagogy and philosophy.

International Links: Stranmillis College and St. Mary's College, Queen's University of Belfast, N. Ireland; University Institute of Motor Sciences (IUSM), Rome, Italy. Other contacts with Universities and Colleges in the UK, Spain, Sweden, Germany, Holland and Denmark are being formulated. The Institute is also awaiting confirmation for membership in International fora, which include the European Physical Education Association (EUPEA), and the European Network of Sport Science, Education and Employment (ENSSEE). On the local scene, IPES has a close relationship with the Malta Sport Council; Malta Olympic Committee as well as the various sport organisations.



INSTITUTES

Institute of Public Administration & Management

Tel: 2340 2727

Fax: 2133 1916

Email: ipam@um.edu.mt

THE Institute of Public Administration and Management was established as a result of an agreement between the University of Malta and the Public Service of Malta, with a view to fostering the study and practice of public administration and management. The Institute began operating in 1999 with funds provided by the Government of Malta. It has established close links with the central training agency of the Public Service, as well as the Department of Public Policy at the University of Malta.

The University's Strategic Plan envisages the Institute as an international centre of excellence in the study of public administration.

Courses Offered

Diploma:

Diploma in Public Administration (DPA)

Postgraduate:

Master of Arts in Public Policy (*in association with the Department of Public Policy, FEMA. The Institute contributes both to the core programme, as well as a self-contained option on Comparative Public Management.*)

Extra-mural:

Senior Management Development Programme, organized in collaboration with the Malta Public Service, for newly-appointed heads of departments. Extra-mural management development programmes can be tailored to the needs of individual organizations.

Subject Areas Taught: Public Administration and Management, including: governing institutions; decision-making; leadership in public affairs; comparative

administration (with a European focus); change management in public administration; Local Government Administration.

Areas of Research: Governance in the Mediterranean basin; institutional design and institutional performance in islands and small states.

International Links: The Institute is active in the *International Association of Schools and Institutes of Administration* and *Network of Schools and Institutes of Administration* in the European Union.

Publications

Annual Report

Occasional monographs.

INSTITUTES

Mediterranean Academy of Diplomatic Studies

Tel: 2340 2821

Fax: 2148 3091

Email: medac@um.edu.mt

Website:

<http://home.um.edu.mt/medac>

THE Mediterranean Academy of Diplomatic Studies (MEDAC) was established in 1990, pursuant to an agreement between the governments of Malta and Switzerland and a special agreement between the University of Malta and the Graduate Institute of International Studies in Geneva. It is an autonomous institution with its own statute and board. The University of Malta awards the Academy's degrees and approves its regulations. The purpose of the Academy is to conduct teaching, training and research in diplomatic studies with special emphasis on Mediterranean issues. It also organises workshops, Summer Schools, colloquia and international conferences.

Courses Offered

Diploma:

Diploma in Diplomatic Studies

Postgraduate:

Master in Diplomacy

Master of Arts in Diplomatic Studies

Subject Areas Taught: Diplomacy; International Relations; International History; International Law; International Economics; Language and Public Speaking.

Areas of Research: Diplomacy; International Relations; International History; International Law; International Economics.

International Links: the European Union Commission; the Euro-Med Human Rights Network; the Euro-Mediterranean Study Commission (EuroMeSCo); Wilton Park; the MAEM/MEMA Network; the European Diplomatic Training Initiative (EDTI); 80:20 Educating and Acting for a Better World, Ireland; Europe's World Journal and Graduate Institute of International Studies in Geneva.

Publications

Grech, O., *A Human Rights Perspective on Development* (MEDAC & 80:20, 2006).

Grech, O., (ed.) *Malta and Development Policy: A Workshop Report* (2005).

Calleya, S. C., *Evaluating Euro-Mediterranean Relations* (Routledge, 2005).

Calleya, S. C., (ed.) *Euro-Mediterranean Information and Training Seminars: 10th Anniversary Review* (2005).

Calleya, S. C., (ed.) *Euromer Information & Training Seminars* (2003).

Kurbalija, J. & Slavik, H., (eds.) *Language and Diplomacy* (2001).

Kurbalija, J. & Baldi, S., *Internet Guide for Diplomats* (2000).



INSTITUTES

International Environment Institute

Tel: 2133 3903

Fax: 2133 6450

Email: iei@um.edu.mt

Website: <http://home.um.edu.mt/iei>

THE International Environment Institute, established in 1987, conducts training, research and networking activities on environmental issues and regards human resource capacity building in areas of environmental science and environmental planning and management as a priority.

Programmes

Mediterranean Environmental Management & Training Programme

Courses Offered

Undergraduate:

Diploma in Environmental Science

Postgraduate:

Postgraduate Diploma in Planning Studies

Master of Integrated Development Planning

Master in Integrated Resource Management

Subject Areas Taught: Resource management; spatial planning; Strategic Environmental Assessment (SEA) and Environmental Impact Assessment (EIA); geophysical and environmental sciences; biodiversity conservation; stakeholder involvement in protected area management; Geographic Information Systems (GIS); Waste Management; Land-cover appraisal; coastal management; transport planning.

Areas of Research: Landscape ecology; integrated coastal management; participation and stakeholder involvement; ecological assessment; protected area management and protected landscapes.

International Links: Centre for Environment & Development for the Arab Region & Europe (CEDARE), Egypt; International Centre for Advanced Mediterranean Agronomic Studies, France; Dipartimento di Biologia Animale e Genetica, Università degli Studi di Firenze, Italy; The International Centre for Science & High Technology ICS of UNIDO, Trieste, Italy; Institut Scientifique, Université Mohammed V, Morocco; IMAR – Instituto do Mar, Portugal; Universidad de Alicante, Spain; The Beijing Institute of the Royal Swedish Academy of Sciences, Sweden; Faculté des Sciences, Université de Tunis, Tunisia; Agence de Protection et d'Aménagement du Littoral, Tunisia; Department of Geographical & Environmental Sciences, University of Huddersfield, UK; Departments of Geography and Environmental Science, University of Plymouth, UK; Environment Division of the World Bank, USA; James Madison University, USA.

Publications

- Integrated Coastal Area Management; Training Package: Parts I & II.
- Baseline research for the Integrated Sustainable Management of Mediterranean coastal ecosystems.
- Coastal sand dunes under siege: a guide to conservation for environmental managers.
- Ecosystèmes côtiers sensibles de la Méditerranée: cas du littoral de Smir.
- Joint IEI/Plymouth website - <http://www.science.plym.ac.uk/departments/learn/Malta>



INSTITUTES

Islands and Small States Institute

Tel: 2340 2117

Fax: 2131 7782

Email: islands@um.edu.mt

Website:

<http://home.um.edu.mt/islands>

THE Islands and Small States Institute is a major research and training centre on the economic, social, cultural, environmental and geographic aspects and needs of islands and small states. The Institute organises International Conferences, training workshops and seminars on themes related to Islands and Small States Affairs; runs a programme on Sustainability Indicators; runs courses leading to a Masters or Doctoral degree in Islands and Small States Studies; operates a network of communication between institutions and individuals engaged in research and training related to the aims of the Institute; undertakes consultancy assignments for international organisations; presents scientific papers at and participates regularly in international conferences on Islands and Small States Affairs; publishes occasional papers on Islands and Small States Studies (ISSN 1024-6282); collaborates with the Scientific Council of Island Development, based at UNESCO, in the publication of *Insula*, the International Journal of Islands Affairs (ISSN 1021-0814); collaborates with publishers in the publication of books and papers; conducts research on and monitors the development of the Economic Vulnerability Index. The institute has been instrumental in developing an economic resilience index in collaboration with the Commonwealth Secretariat.

Courses Offered

Certificate:

Certificate in Islands and Small States Studies

Certificate / Diploma in Lace Studies

Postgraduate:

Master of Arts in Islands and Small States Studies

M.Phil./Ph.D.

Subject Areas: Small Islands: Natural Ecosystems; Physical Processes; Economics (Economic Vulnerability & Resilience); Socio-Political Aspects; Agriculture; Environmental Planning and Management; Sustainability Indicators; International Competitiveness; Banking and Finance; Planning & Managing Education in Small States.

Lace Programme: History of Lace; Lace Techniques in the Mediterranean; Lace Textile in Costumes and Vestments; Modern Lace Design; Economic Aspects of Lace Making.

Areas of Research: Small Islands: Environmental Studies; Sustainability Indicators; International Competitiveness; Banking and Finance; Economic Vulnerability & Resilience.

International Links: Research and cooperation links exist with various international organisations including: United Nations (UN-DESA); United Nations Development Programme (UNDP); United Nations Environmental Programme (UNEP); The International Small Island Studies Association; The European Association of Developing and Training Institutes (EADI); The Commonwealth Secretariat.

Publications

Briguglio, P.L., Persaud, B., Stern, R., *Toward an Outward-Oriented Development Strategy for Small States: Issues, Opportunities and Resilience Building* (World Bank and Commonwealth Secretariat report, 2006).

Briguglio, P.L., Cordina, G., Kisanga, E.J., *Building the Economic Resilience of Small States* (2006).

Briguglio, P.L., Kisanga, E.J., *Economic Vulnerability and Resilience of Small States* (2004).

Briguglio, P.L., Cordina, G., *Competitiveness Strategies for Small States* (2004).

Briguglio, P.L., Bare, T.R.W., Cordina, G., Endeley, R.M.R., *Maximising Malta's Competitiveness Potential* (2004).

Briguglio, P.L. *et al*, *A Sustainable Development Strategy for Malta* (presented at the National Conference, 2004 sponsored by the Ministry for Rural Affairs & the Environment. The Concluding Conference was held in 2006).

Briguglio, P.L. *et al*, *Malta National Report for the World Summit on Sustainable Development* held in Johannesburg, South Africa, in August-September 2002.

Report on the Commonwealth Training Workshop *Competitiveness Strategies for Small States* held in Malta on 22 April to 3 May 2002. (Malta: Islands and Small States Institute, 2002).

Report on the Commonwealth Training Workshop on *Banking and Finance in Small States: Issues and Policies* held in Malta on 2-13 December 2002. (Malta: Islands and Small States Institute, 2002).

Environment and Sustainable Development in Malta (Islands and Small States Institute in collaboration with the Ministry for the Environment, Malta and the United Nations Environment Programme/Mediterranean Action Plan, 2001).

Report on the Commonwealth Training Workshop on *Banking and Finance in Small States: Issues and Policies* held in Malta on 1-12 October 2001. (Malta: Islands and Small States Institute, 2001).

Report on the Commonwealth Training Workshop on *Banking and Finance in Small States: Issues and Policies* held in Malta on 2-13 October 2000. Malta: Islands and Small States Institute (2000).

The Institute publishes occasional papers on Islands and Small States. It also provides editorial services to *Insula*, the International Journal of Island affairs.

For a full list of publications see: <http://home.um.edu.mt/islands/publications.html>



Certificate in Foundation Studies Course

Tel: 2340 2556 or 2340 2175

Fax: 2131 6941

e-mail: foundation-studies@um.edu.mt

THE Certificate in Foundation Studies Course is a one year, full-time programme of studies at pre-tertiary level. It is specially designed to enable international high school students who have completed their secondary or high school education overseas to qualify for admission to an undergraduate degree course at the University of Malta.

The Course is open only to overseas applicants who:

- (a) have completed their secondary and/or high school education abroad; and
 - (b) are in possession of one of the following qualifications in English at the required level:
 - (i) Test of English as a Foreign Language (TOEFL) 500 or 173 CB or 61 internetbased;
 - (ii) International English Language Testing System 5.5;
 - (iii) Cambridge First Certificate at grade C or better;
- or any equivalent qualification approved by the Board of Studies for the Course; and
- (c) are in possession of qualifications allowing access to higher education in the country where such qualifications were obtained; but
 - (d) are deemed to require further study to be admitted to undergraduate degree courses at the University of Malta.

The programme of study comprises study-units in English Language as well as in subjects designated as Special Course Requirements for undergraduate degree courses. These include Biology, Chemistry, Mathematics, Physics, Computer Studies, Information Technology, Economics, Accountancy, French and History.

The University of Malta Group of Companies

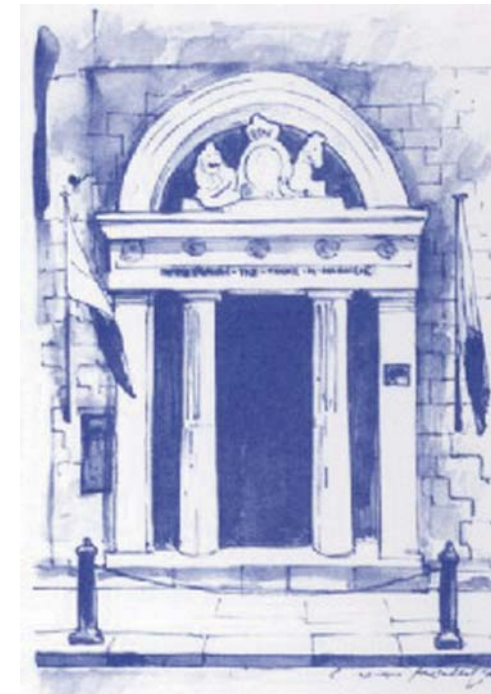
Old University Building,
St. Paul's Street, Valletta

Tel: 2123 4121/2

Fax: 2123 0551

Email: info@muhc.com.mt

Website: <http://www.muhc.com.mt>



THE Malta University Holding Company Ltd MUHC embodies the commercial interests of the University of Malta.

The companies comprised in the Holding Company serve as the commercial interface between the University of Malta and the business community, brokering the resources and assets of the University to provide added value through commercial activity.

The Malta University Holding Company Ltd provides strategic direction and corporate support to the companies within the Group.

Foundation for International Studies Ltd.

- Conference and Facilities hosting and meeting logistics management.
- International Programmes

Malta University Consulting Ltd.

- Management & Technical Consulting Services

Malta University Technical Services.

- Chemical, Physical and Biological Testing Services

Surface Engineering Ltd.

- Metallurgical and Engineering Services

Continuing Education.

- Short Courses and Professional Development

International School of Languages.

- General and specialised segment English tuition.
- Language proficiency courses.

Malta University Broadcasting Ltd.

- Cultural and educational broadcasting services

Malta University Residence Ltd.

- Premium Student and non-student accommodation

INTERNATIONAL INSTITUTES

IOI - International Ocean Institute

Tel: 2134 6529
Fax: 2134 6502
Email: ioihq@ioihq.org.mt

THE International Ocean Institute is an international, independent non-Governmental organisation with headquarters and an Operational Centre in Malta. There are twenty-six Operational Centres worldwide. The purpose of the IOI research and training programmes is to deepen the understanding of the ever increasing importance of the oceans and their resources in world politics and to sustainable development.

The Malta Operational Centre was set up through collaboration between the IOI and the University of Malta. Its main areas of concern include *oceanographic research*, in a holistic perspective, including operational observations and forecasts, specialised data management analysis and participation in international cooperative ventures; *training and teaching through specialised courses* especially in relation to ocean governance and the Law of the Sea's managerial as well as scientific obligations on coastal states; *promoting awareness about the sea*, about its naturalistic, scientific and cultural connotations, especially with the younger generation, this also includes promoting public awareness; and *promoting an inter-sectorial approach in marine affairs at national level* by sustaining the interaction between local institutions that are active in marine affairs.

The Physical Oceanography Unit constitutes the research arm of the IOI-MOC. The Unit undertakes fundamental research in coastal meteorology, hydrography and physical oceanography. IOI-MOC also hosts the MedGOOS Secretariat which networks key marine research institutions in the Mediterranean towards the planning and design of an ocean observing and forecasting system in the region.

THE IMO International Maritime Law Institute (IMLI) was established by a statute promulgated by the International Maritime Organisation (IMO) and under an agreement concluded between the IMO and the Government of Malta. It is located on the campus of the University of Malta and began operation in October 1989.

The Institute trains lawyers from developing countries to become specialists in maritime law. Since its establishment, nearly 400 students from some 120 states have graduated from IMLI. The course is open to law graduates already working in a maritime field or in a legal department or law office dealing with maritime matters. It provides postgraduate training in international maritime law for one academic year leading to the degree of Master of Laws. The course covers Shipping Law and Law of the Sea as well as the drafting of maritime legislation. The Institute offers a Ph.D. programme, an Advanced Diploma Programme and short courses.



IMO - International Maritime Law Institute

Tel: 2131 9343
Fax: 2134 3092
Email: admissions@imli.org
Website: <http://www.imli.org>

Junior College

G. F. Abela Junior College, Msida
Tel: 2122 4271/2/3
Fax: 2124 3036
Email: admin@jc.um.edu.mt
Website:
<http://www.jc.um.edu.mt>

THE Junior College, was established in 1995 under the umbrella of the University of Malta. It offers a two-year course specifically designed for future University students who are prepared for the MATSEC Certificate in accordance with the University's *General Entry Requirements*. Students may choose from a wide range of subjects and must take two subjects at Advanced Level, three at Intermediate Level, as well as Systems of Knowledge. Subjects chosen should also include any *Special Course Requirements* needed for their prospective University course.

While providing formal instruction, the College encourages students to develop their own initiative through guided self-teaching in preparation for their future University career. Besides having two representatives on the College Board, the students have their own elected Council, the *Kunsill Studenti Junior College* (KSJC) which organises various activities. The annual Christmas Concert and *Soirée* and participation in *Young Enterprise* and the *NSTF Mini European Assembly* are some of the activities that College students take part in.

Departments

Maltese; English; French; Italian; German; Accounts; Economics; Marketing; Computing & Information Technology; Mathematics; Biology; Chemistry; Physics; Environmental Science; Nutrition, Family & Consumer Studies; Engineering Drawing; Geography; History; Philosophy; Religion; Sociology; Art; Systems of Knowledge; Physical Education.

Courses Offered

- MATSEC Certificate

Subject Areas: Maltese; English; French; Italian; German; Spanish; Arabic; Accounts; Economics; Marketing; Computing & Information Technology; Pure Mathematics; Applied Mathematics; Biology; Chemistry; Physics; Environmental Science; Home Economics & Human Ecology; Engineering Drawing; Geography; History; Philosophy; Religion; Sociology; Art; Music; Systems of Knowledge.

International Links: Student exchanges and cooperation links exist with: France; Germany; Italy; Norway; Sweden and the United Kingdom.

Publications

Look before you leap (Prospectus)

Junior College Students' Handbook

Symposia Melitensia



MATSEC

Tel: 2133 1224

Fax: 2131 4324

Email: matsec@um.edu.mt

Website:

<http://home.um.edu.mt/matsec>

THE University's Matriculation and Secondary Education Certificate Examinations Board (MATSEC) organises the national school-leaving examinations system in collaboration with the Education Division and the Examinations Department of the Ministry of Education. Examinations at both Ordinary (SEC) level and Advanced and Intermediate levels leading to the Matriculation or MATSEC Certificate are held in May with a supplementary session in September.

Subject Areas

Advanced / Intermediate / SEC level:

Accounting; Arabic; Art; Biology; Chemistry; Computing; Economics; French; Geography; German; History; Italian; Latin; Maltese; Physics; Religious Knowledge; Russian; Spanish.

Advanced & Intermediate level only:

English; Applied Mathematics (Mechanics); Greek; Home Economics & Human Ecology; Information Technology; Marketing; Music; Philosophy; Pure Mathematics; Sociology.

Advanced level only:

Engineering Drawing; Graphical Communication.

Intermediate level only:

Engineering Drawing & Graphical Communication; Environmental Science; Systems of Knowledge.

SEC level only:

Business Studies; Classical Culture & Civilisation; Commerce; Design & Technology; English Language; English Literature; Environmental Studies; European Studies; Graphical Communication; Home Economics; Mathematics; Physical Education; Social Studies; Textiles & Design.

International Links: Association of Commonwealth Examination and Accreditation Bodies (ACEAB); Association for Educational Assessment - Europe; European National Information Centres (ENIC); International Association for Educational Assessment; National Academic Recognition Information Centre, UK (NARIC).

Publications

MATSEC Newsletter

Matriculation Certificate Examinations Report

Secondary Education Certificate Report

(Both reports present Statistical Analyses of the Number of Applicants and their Performance, published annually).



UNIVERSITY SERVICES

• Communications & Alumni Relations Office

Tel: 2340 2828

Fax: 2133 6450

Email: comms@um.edu.mt

Website:

<http://www.um.edu.mt/comms>

THE COMMUNICATIONS OFFICE was established in 1991 as the University's official channel of communication with the Media. Its brief also includes the development of good communications with institutions outside the University as well as internally which it does principally through the production of a virtual *News on Campus* weekly email newsletter keeping staff up to date with campus news/events. The Office is responsible for the preparation of all major University publications such as the *Annual Report*, *Calendar*, internal *Telephone Directory*, *Prospectuses*, and *Handbook* as well as the regular updating of the University website in collaboration with University IT Services. The Communications Office is actively involved in all major University events/initiatives whether a seminar, public lecture, book launch, presentation, concert or major international conference for which it advises on marketing/publicity strategies as appropriate to the occasion. This could necessitate advertisements, press releases, production of booklets, posters/flyers or creation of a website plus assisting as required in the organisation/execution of the event itself, by producing invitations, programmes and so on using its DTP facility. In 2007, the Office also assumed responsibility for Alumni Relations.

• International & EU Office

Tel: 2340 3182

Fax: 2131 6941

Email: intoff@um.edu.mt

Website:

<http://www.um.edu.mt/intoff>

THE INTERNATIONAL AND EU OFFICE is responsible for developing, planning and implementing the University's internationalisation policy, particularly in the area of relations with other institutions and in promoting the University overseas. The Office represents the University in a number of international University networks and groups and assists other University departments and institutes to participate in overseas projects. The International and EU Office markets University courses overseas, responds to requests for information and generally deals with all aspects involving the recruitment and welfare of overseas students. Several mobility programmes through which over 400 students are exchanged annually are also managed by the Office. The Office also acts as the central focal point for the provision of information and technical assistance for the University's participation in EU and other internationally funded projects and programmes.



• **University Library**

THE LIBRARY supports the teaching and research programmes of the University through a wealth of material in books, electronic services, journal subscriptions, and legacy collections. It brings together over 800,000 books on a myriad of academic subjects, some 6,400 print and electronic journal titles, well over 10,000 dissertations, and precious manuscript and rare book holdings, including an extensive collection of Melitensia. Services include student instruction and information literacy programmes, an excellent reference department, information provisioning and bibliographical consultancy, overseas document supply, and a very good portal website.

Tel: 2131 0239

Fax: 2131 4306

Email: dls@um.edu.mt

Website: <http://www.lib.um.edu.mt>

• **IT Services**

IT SERVICES, originally established as the Computing Services Centre, is responsible for the university IT infrastructure offering a range of facilities and services to assist members of staff and students with their IT-related needs. Services available over the campus network include access to the Internet, Library online periodicals and electronic Student Information System (eSIMS). IT Services manages a number of computer labs and wireless hotspots in designated areas on campus and also organises training courses on the use of computer standard application software, statistical analysis tools and web authoring.

Tel: 2134 3399

Fax: 2134 3397

Email: itservices@um.edu.mt

Website: <http://www.its.um.edu.mt>

• **Student Advisory Services (SAS)**

THE STUDENT ADVISORY SERVICES provides career guidance services to those prospective and current university students who are uncertain as to what their future career path should be or what course their qualifications permit them to follow.

Tel: 2340 2847

Fax: 2133 6450

Email: sas@um.edu.mt

Website: <http://home.um.edu.mt/sas>

The Student Advisor also makes regular school school visits to inform pre-tertiary students about what the University of Malta has to offer. SAS also conducts a biennial tracer study in collaboration with the Centre for Labour Studies looking into career path trends of University of Malta graduates. It also participates in collaborative projects with MCAST (Malta College of Arts, Science & Technology), ETC (Employment and Training Corporation), EUPU (European Union Programmes Unit) and ITS (Institute of Tourism Studies) to create career guidance tools relevant to the Maltese scenario.



Precincts Office

THE PRECINCTS OFFICE enhances the atmosphere on campus both aesthetically and practically, making the University campus user-friendly for students and staff alike by providing security, open-air spaces for inspiration or relaxation and conserving the surrounding grounds. The Precincts Office is environmentally-conscious and collects paper for recycling from the offices on campus.

Tel: 2340 2997

Fax: 2133 3449

Email: precincts@um.edu.mt

Website: <http://www.um.edu.mt/precinct.html>

The Precincts Office coordinates and supervises security on campus, traffic management - directing traffic and managing parking and activities held in the external areas of the campus - planning, organising and liaising with other bodies such as student organisations and the Public Transport Authority.

• **Chaplaincy**

THE CHAPLAINCY at University is very active, organizing various activities for students and staff. Apart from the specifically spiritual activities, others range from opportunities for voluntary work in Malta and abroad, live-ins and retreats, Student Encounters for first year students and Engaged Encounters (a marriage preparation course) for University students, staff and graduates. The Chaplaincy offers spiritual nourishment through various opportunities: Weeks of Guided Prayer, Christian communities, silent retreats, live-ins, and the Spiritual Exercises of St. Ignatius as well as the daily liturgies. The events are organized by students and staff and thus promise to be fresh and meaningful.

Tel: 2340 2341

Fax: 2133 6450

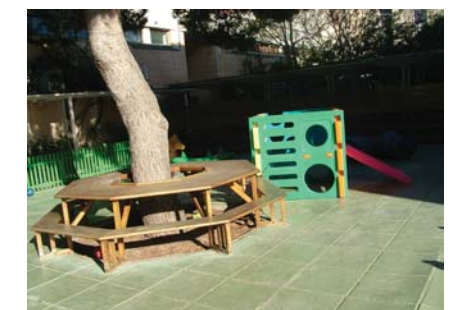
Email: chaplaincy@um.edu.mt

Website: <http://home.um.edu.mt/chaplaincy>

• **It-Tajra Child Care Facility / Kids on Campus**

IT-TAJRA Child Care Facility started operating in April 1996 in order to make it easier for parents/guardians of pre-school age children to study or work on Campus and to serve as a centre for research in Childhood Development and Early Childhood Education. Based on the *Learning through Play* concept, the Facility caters for the pre-school education of children aged 2 to 3 years 11 months by October.

Kids on Campus is a University-based summer programme with *Creativity and Fun* as the basis for all its activities. Open to the general public, *Kids on Campus* runs for a total of eight weeks, five days a week and caters for children who are 3 years old (by 1st July) and not older than 11 years 11 months (by 31st August).



• **Counselling Services**

Tel: 2340 2235

Fax: 2133 6450

Email: counselling@um.edu.mt

Website: <http://www.um.edu.mt/counsell.html>

THE COUNSELLING SERVICES enables students who have difficulties with their studies to work through their problems. Students are helped in times of stress, especially before and during examination time and whilst writing their dissertations. Personal Counselling is provided in order to allow students to make the most of their academic education by removing barriers to effective functioning.

• **Sports Facilities**

Tel: 2340 2032

Fax: 2134 3014

Email: universitiesports@um.edu.mt

Website: <http://www.um.edu.mt/sports.html>

THE SPORTS COMPLEX offers opportunities for students to use a football pitch, an athletics track, two 5-a-side floodlit football pitches with artificial turf, multipurpose gym equipment for fitness training as well as table-tennis and two billiard tables. Outdoor facilities include two tennis courts and a basketball/volleyball court. An Olympic-size swimming and diving pool and a multipurpose Sports Hall are also available for use at subsidised rates. The University Sports Club Committee organises inter-faculty competitions during the academic year.

• **Campus FM**

Tel: 2133 3313

Fax: 2131 4485

Email: campusfm@um.edu.mt

Website: <http://www.campusfm.um.edu.mt>

CAMPUS FM broadcasts educational programmes of a formal and informal nature. The schedule of programmes is packed with informative, cultural and music programmes, produced and presented by students, student organisations and academics. The radio station is committed to promoting the work carried out at the University to a wider audience. Among other initiatives, it promotes research undertaken for final dissertations, academic papers, publications, conferences and other events which take place on Campus. It also offers students training possibilities in a media environment and the facilities of the recording studios. Campus FM collaborates with PBS Ltd. and also streams the BBC World Service and *Deutsche Welle*



• **University Residence**

Tel: 2143 6168

Fax: 2143 4963

Email: info@university-residence.com.mt

Website: <http://www.university-residence.com>

THE UNIVERSITY RESIDENCE is located 4 kilometres from the University Campus with which it is connected by a regular shuttle service. The Residence which is situated in extensive private grounds, provides accommodation for the University's ever increasing international student body as well as for visiting academics. Accommodation is primarily available as 3-bedroom apartments with self-catering facilities. Single bedroom apartments are available for visitors. Facilities comprise: a large swimming pool, tennis court, basketball court, a jogging track, mini-market, launderette and conference room as well as a computer room, internet facilities and photocopy service. The Residence is managed by *University Catering Services Ltd.*

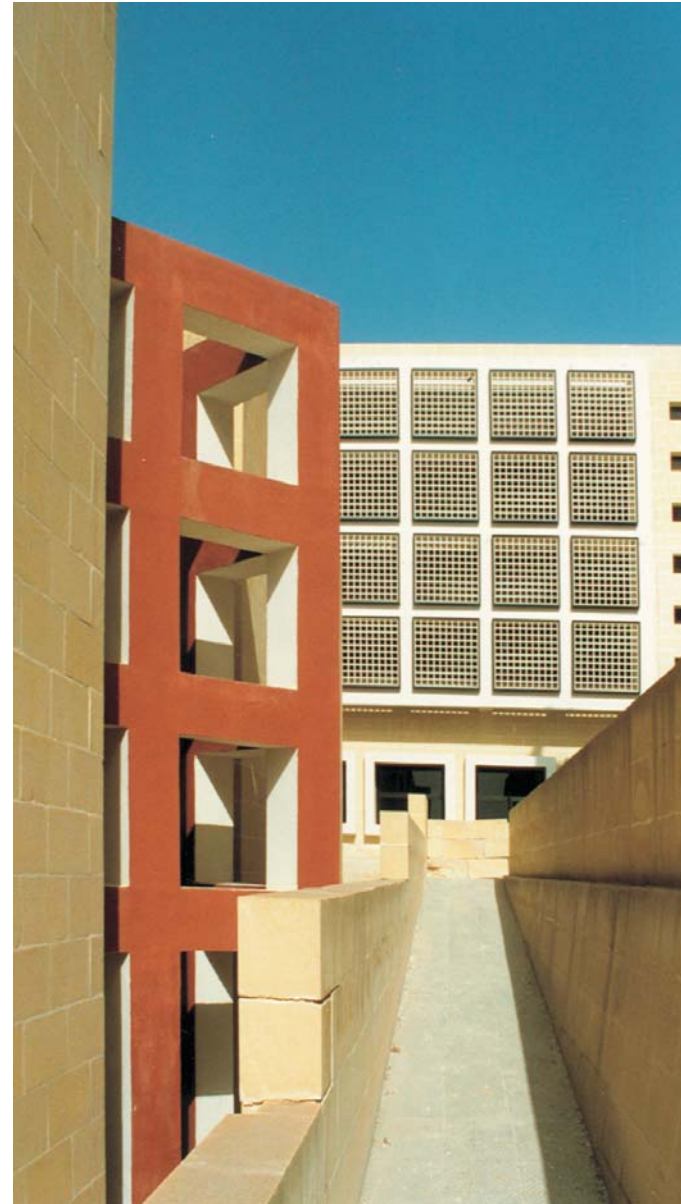


TOWARDS A USER-FRIENDLY ENVIRONMENT

IN KEEPING with increased public awareness about the need to pay particular attention to the requirements of disabled persons, the University of Malta is committed to the creation of a user-friendly environment with specially designed facilities. Steps have been taken to make the physical environment on campus more accessible to persons with special needs. Ramps have been constructed and lifts written into the design of new buildings as well as added to most existing buildings. Full access to all areas is not available yet, but much progress has been achieved.

The University has purchased appropriate equipment such as motorized wheelchairs which are available to physically disabled students who do not have their own. Subsidized synthesizers, which allow for text to be read by computer, can also be provided along with other equipment enabling blind persons to use the latest computer technology. In the case of persons with severe hearing impairments, specialized one way amplifiers have now started to be used to facilitate communication between lecturer and student. A facilitator is provided to assist students with special needs.

Special examination arrangements, designed to assist but not give undue advantage to students with special needs, are available both in respect of the University's public examinations (Matriculation and SEC level) as well as in respect of diploma and degree examinations. Among these arrangements, an amanuensis service is provided during examinations for persons with vision impairment.



STUDENT ORGANISATIONS

KUNSILL TA' L-ISTUDENTI UNIVERSITARJI
 AIESEC
 IAESTE Malta
 AEGEE - Valletta
 ELSA Malta
 YOUNG EUROPEAN FEDERALISTS (JEF) Malta
 SOCIETY OF ARCHITECTURE AND CIVIL ENGINEERING STUDENTS
 ARTS STUDENTS ASSOCIATION
 MALTA ASSOCIATION OF DENTAL STUDENTS
 ASSOCIATION OF STUDENTS OF COMMERCIAL STUDIES
 UNIVERSITY STUDENTS TEACHERS' ASSOCIATION
 BETA PSI - THE PSYCHOLOGY STUDENTS ASSOCIATION
 UNIVERSITY ENGINEERING STUDENTS ASSOCIATION
 INFORMATION TECHNOLOGY STUDENTS ASSOCIATION
 GHAQDA STUDENTI TAL-LIGI
 MALTA MEDICAL STUDENTS ASSOCIATION
 MALTA PHARMACEUTICAL STUDENTS ASSOCIATION
 SCIENCE STUDENTS SOCIETY
 THEOLOGY STUDENTS' ASSOCIATION
 STUDENTS OF CRIMINOLOGY ASSOCIATION
 HISTORY OF ART STUDENTS ASSOCIATION
 MALTA ASSOCIATION OF PHYSIOTHERAPY STUDENTS
 HEALTH CARE STUDENTS ORGANISATION
 GHAQDA TAL-MALTI (Università)
 GRUPP UNIVERSITARJI GHAWDXIN
 MOVIMENT KATTOLIKU STUDENTI UNIVERSITARJI
 MALTA UNIVERSITY SPORTS CLUB
 STUDENTI DEMOKRISTJANI MALTIN - Università
 UNIVERSITY FILM CLUB
 ZGHAZAGH GHALL-AMBJENT - Università
 UNIVERSITY MUSIC ASSOCIATION
 PULSE
 MALTESE ASSOCIATION OF GERONTOLOGY AND GERIATRICS
 ANTHROPOLOGY SOCIETY
 MALTA UNIVERSITY HISTORICAL SOCIETY
 GRAFFITI

IT'S NOT all work and no play at the University of Malta. The Students' Council, *Kunsill Studenti Universitarji* is one of the oldest Students' Unions in Europe. In 2001, it celebrated the 100th anniversary of the founding of the *Consiglio Permanente Universitario*, its forerunner. The Council is affiliated to ESU (The European Students' Union).

Apart from intervening in matters that directly concern students, the Council organises a number of social events. Other Faculty and Student Associations also exist many of them affiliated to their international counterparts. Elected student representatives sit on the University Council, Senate and Faculty/Centre/Institute Boards and therefore have some influence in policy-making.



AMNESTY INTERNATIONAL (MALTA University Group)
SOCIETY FOR AFRICAN STUDIES
COMM. A
INSITE
MALTA INTERNATIONAL STUDENTS' ASSOCIATION
SMILE FOR ALBANIA
MOVE!
MEDITERRANEAN ACADEMY OF DIPLOMATIC STUDIES
ALUMNI ASSOCIATION
UNIVERSITY OF MALTA DEBATING SOCIETY
MALTA GEOMORPHOLOGY GROUP (MGG)
KUNSILL STUDENTI TAL-JUNIOR COLLEGE (KSJC)

Several international student associations also have their affiliates on campus: AEGEE (International Association of European Students), AIESEC (International Association of Students of Economics), IAESTE (International Association for the Exchange of Students for Technical Experience) and ELSA (European Law Students' Association).

The campus is also home to various Sports Associations, a University Film Club, the charitable dental organisation, *Smile for Albania* as well as organisations with a political dimension. MISA (Malta International Students' Association) contributes to the ongoing internationalisation of the campus.