



## Master of Science in Diabetes Care

### Learning outcomes:

#### a. Subject Knowledge and understanding

Upon completion of the programme, you will be able to:

1. explain the epidemiology, pathophysiology and classification of diabetes;
2. identify and appraise evidence in relation to the prevention of diabetes;
3. critically discuss issues related to screening for diabetes;
4. plan, deliver and evaluate the care in relation to Type 1 and Type 2 diabetes taking a holistic perspective;
5. identify and appraise the different aspects of care in relation to the impact of living with diabetes, including psychological, financial, social and spiritual issues;
6. explain theories related to self-care;
7. apply these theories to empower persons living with diabetes to self-manage their condition;
8. critically discuss the specific care required in particular patient cohorts, including children and adolescents, women at pre- and post-conception, persons with disabilities, persons undergoing medical investigation and surgery;
9. plan care in response to the person's cultural and religious practices or preference.
10. identify the complications of diabetes;
11. evaluate evidence in relation to prevention, screening and management;
12. explain local and international policy, guidelines and standards for diabetes care including legal and entitlement processes;
13. identify and appraise the different roles of the interdisciplinary team members involved in diabetes care; and

#### b. Intellectual Development

Upon completion of the programme, you will be able to:

1. appraise the evidence in relation to specific aspects of patient management;

2. apply the evidence to decision making in the context of patient care

**c. Key/Transferable skills**

Upon completion of the programme, you will be able to:

1. carry out a holistic assessment of persons with the metabolic syndrome, impaired glucose tolerance and diabetes- appropriate to the student's professional role in the diabetes care team;
2. plan care for a person with diabetes appropriate – appropriate to your professional role on the diabetes care team;
3. deliver care appropriate to the student's professional role within the diabetes care team;
4. appropriately identify the need for referral to other members of the interdisciplinary team;
5. communicate effectively with the team;
6. use interpersonal skills to assist with lifestyle modification to enhance health;
7. empower persons living with diabetes to self-manage their condition;
8. evaluate the care provided by the interdisciplinary team;
9. respond to the need for indicated changes; and
10. conduct a research study in relation to diabetes care

**d. Other skills relevant to employability and personal development**

Upon completion of the programme, the student will be able to:

1. work collaboratively with others;
2. reflect on learning needs;
3. identify and access resources which meet those needs;
4. utilise ICT effectively, including virtual learning resources;
5. participate in the wider diabetes professional community, including national and international organizations such as the International Diabetes Federation.