**Master of Science in Metamaterials**

**Learning outcomes:**

Upon completion of the MSc in Metamaterials, graduates are expected to attain the following outcomes:

• Have a sound understanding of the science being metamaterials, particularly thermo-mechanical metamaterials,

• Be proficient in the evaluation of the scientific and technical literature, particularly those relevant to metamaterials,

• Be able to use an advanced approach to design and conduct scientific and research experiments,

• Be able to make use of modelling, simulations and/or characterisation techniques, particularly in the field of materials and structural design and characterisation.

• Be able to successfully use advanced techniques, skills, and modern scientific software and models

• Be able to propose solutions to scientific problems through application of scientific knowledge and understanding,

• Be able to demonstrate skill in the use of appropriate mathematical, computer modelling and other relevant characterisation methods for solving research and technical problems,

• Be proficient in the analysis, manipulation and interpretation of data, within the contest of the existing corpus of knowledge in the subject,

• Be able to work as a researcher both, individually and as a member of a multidisciplinary team, particularly in the field of metamaterials,

• Be able to communicate results and scientific principles effectively in oral and written form with the help of appropriate means,

• Be aware of professional and ethical responsibilities and of research management procedures.