

2019/0 - PHY-6002B ADVANCED TOPICS IN PHYSICS

Spring Semester, Level 6 module
(Maximum 35 Students)

UCU: 20

Organiser: Dr Magnus Borgh

MODULE - 40% PASS ON AGGREGATE

Module Type: Examination with Coursework or Project

Timetable Slot:U

BEFORE TAKING THIS MODULE YOU MUST TAKE MTHB5006A AND TAKE MTHB5007B OR TAKE MTHB5009A AND TAKE MTHB5007B OR TAKE MTHA5002Y AND TAKE MTHA5004Y

On this module you will study a selection of advanced topics in classical physics that provide powerful tools in many applications as well as provide a deep theoretical background for further advanced studies in both classical and quantum physics. The topics include analytical mechanics, electromagnetic field theory and special relativity. Within this module you will also complete a computational assignment, developing necessary skills applicable for computations in many areas of physics