

Course Title	Advanced Topics (I, II, and III)				
Course Code	AME602, AME603, and AME604				
Course Type	Compulsory				
Level	PhD				
Year / Semester	3 rd or 4 th Semester (or 1 st or 2 nd if the student is exempted from the Graduate Master's Level Coursework)				
Teacher's Name	Any Teaching and Research Staff member of the Department.				
ECTS	7	Lectures / week	NA	Laboratories / week	NA
Course Purpose and Objectives	<p>Doctoral students need to register for three advanced level courses, referred to as the Advanced Topics courses. The content of the advanced topics courses must be either within the thematic area of the thesis of the student, or must be related to specialized knowledge that is essential for the student in successfully completing his/her research work. Therefore, these courses should provide students with the knowledge, skills and competences needed to carry out doctoral level research in the area of their Thesis. The student's Research Advisor suggests/approves the content of the advanced topics courses.</p> <p>Advanced Topics courses can be taught courses, offered by the University. Students may, replace up to two of the Advance Topics courses with graduate level courses offered by other universities or research institutions, as well as courses for PhD students organized by actions/programs, such as the COST actions or relevant Network of Excellence (NoE) programs. In such a case, the level and content of the course must be equivalent to a seven ECTS postgraduate level course.</p> <p>Advanced Topics courses can be replaced by independent directed study courses, after the suggestion of the student's Research Advisor in consultation with the student's Research Advisory Committee. In such a case, the Research Advisor must provide the student with an outline of the work to be done and the expected outcome.</p>				
Learning Outcomes	The Learning Outcomes of the Advanced Topics courses vary according to the content of each course. In general, by the end of the Advanced Topics courses, students are expected to demonstrate in-depth specialized knowledge and understanding of techniques relevant to the topic of their Thesis.				
Prerequisites	Completion of at least 50 ECTS credits at the Master's Level Coursework	Co-requisites	None		

Course Content	The content of the Advanced Topics courses varies according to the topic of each course.
Teaching Methodology	The Teaching Methodology for the Advanced Topics courses can vary according to the course.
Bibliography	The Bibliography for the Advanced Topics courses can vary according to the course.
Assessment	These are “Pass” / “Fail” course. For graduate level courses, the assessment criteria are the same as the ones employed by the specific course (final exam and coursework). Independent directed study courses are assessed by the student’s Research Advisor based on a report submitted by the student at the end of the semester, equivalent to a literature review paper on the thematic area of the course.
Language	English