



Course Code ECE-591	Course Title Thesis Research	Credits (ECTS) 24
Department Engineering	Semester Fall, Spring	Prerequisites Graduate status
Type of Course Required	Field Engineering	Language of Instruction English
Level of Course 2 st Cycle	Year of Study 1 st and 2 nd	Lecturer(s) Research Supervisor
Mode of Delivery Face-to-face	Work Placement N/A	Co-requisites None

Objectives of the Course:

<p>The main objectives of the course are to:</p> <ul style="list-style-type: none">• Prepare graduate students organize and develop their idea into a research project• Create a research environment in which graduate students can be creative and productive• Explain methods and procedures followed during investigation and research of a technical topic in the field of engineering• Prepare graduate students become competitive in a demanding technological research world• Create the required skills and knowledge to effectively perform independent research under guidance and supervision• Create technical writing skills that allow graduate students to compose their thesis, progress reports, and scientific articles based on engineering guidelines and practices• Explain techniques and practices followed during technical oral presentations in front of an audience• Present the Thesis Research orally.
--

Learning Outcomes:

<p>Upon completion of the course students are expected to:</p> <ul style="list-style-type: none">• Demonstrate independent research abilities under guidance and supervision• Produce quality research work on advanced engineering topics• Demonstrate in-depth knowledge and expertise on the topics of research• Demonstrate technical writing and oral presentation skills• Write technical progress reports on their research work and a thesis
--

Course Contents:

<p>Conduct research on an engineering topic under the guidance and supervision of the academic advisor. Research results will be documented in a technical report (Thesis) to be presented in front of the Graduate Committee before graduation.</p>
--

Learning Activities and Teaching Methods:

<p>Literature review, study of scientific journals and conference proceedings, attendance of seminars and technical talks</p>

Assessment Methods:

Progress reports, thesis, oral presentation, published research work
--

Required Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
W. Strunk, E. B. White, R. Angell	The Elements of Style	Longman, 4 th Edition	1999	978- 0205313426
Frank R. Kschichang	Giving a Talk	University of Toronto	2000	Available at <a href="http://www.com
m.utoronto.ca/fr
ank/guide/guide
0.html">http://www.com m.utoronto.ca/fr ank/guide/guide 0.html

Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN