

Course Application for E-Cube-I Scholarship 2021

Course name	Doctor of Philosophy (Engineering) (Ph.D.)
Course Details	<p>The Doctor of Philosophy Program in Engineering offers the most useful for the integration of academic multidisciplinary in various fields such as Civil Engineering, Electrical Engineering, Mechanical Engineering, Industrial Engineering, Material Engineering and Chemical Engineering. The program will ultimately benefit candidates for higher potential in academic research and will open the opportunity for higher level research development.</p> <p>Duration of Course 3 years</p> <p>Language of Instruction: Thai or English</p> <p>Course Content Total of Credit 54 Credit</p> <p><u>Subject</u></p> <p>04-020-801 Literature Reviews Conceptual research framework, Hypothesis, variables and level of scale, Interpretation of results, Critical appraisal of evidence, Systematic summary, analysis and synthesis of literature reviews, Public presentations</p> <p>04-020-802 Philosophy of Engineering Fundamental of philosophy in engineering, Development of engineering in relation to societal expectation at different period of time, Relationship between philosophy and engineering, Interaction between human society and engineers, Analytic philosophy of engineering system, Logic of engineering design, Engineering ethic</p> <p>04-020-803 Engineering Seminar 1 Concepts and elements of seminar, Research topic, Writing seminar report on selected topic, Presentation and discussion on results of research, Guidelines to achieve research objectives related to engineering sciences and technologies fields</p>

	<p>04-020-804 Engineering Seminar 2 Research design, Evaluation and analysis of topics related to engineering, Research objectives for thesis or dissertation and originality of research, Reviews experimental methodology, Presentations of detailed results, Conclusions and recommendations, Structuring manuscript for conference/proceeding and publication</p> <p>04-020-805 Engineering Seminar 3 Study and analysis problems through experiment distinctively supported the hypothesis, Analyzing problem based on scientific research, A problem-solving conceptual framework, Study process of solving problem, Practicing of giving commendation and decision making process</p> <p>04-020-806 Engineering Seminar 4 Presentation and discussion results through experiment distinctively supported the hypothesis, Criticism and interpretation outcome of research, Presentation on achievement of research</p> <p>04-020-902 Dissertation Research at the doctoral degree level in engineering in order to create a new body of knowledge under advisor's supervision and presentation of research results to the doctoral committee</p>
Required-number of Graduate-Student	-
Course conditions	<ul style="list-style-type: none"> - Obtained a Bachelor's degree in Engineering field - Obtained a Master's Degree with CGPA of at least 3.50 out of 4.00 or Master's thesis is very good - Exemption from above criteria may be considered on case by case by the Dean of the Faculty of Engineering
Contact person	