

Course Application for E-Cube-I Scholarship 2022

Course name	Ph.D. Program in Applied Chemistry
Course Details	<p>The Doctor of Philosophy in Applied Chemistry is a research-intensive graduate program focused on intellectual development and creation of novel technology or innovation for sustainable changes in three fields of specialization:</p> <p>(1) Materials Chemistry and Nanotechnology:</p> <ul style="list-style-type: none"> - Functional Polymers, Polymerization in aqueous dispersed systems - Polymer Microcapsules and Microspheres, Biopolymer - Photoelectrocatalysis, Thin-film fabrication, Energy and Environmental application - Photocatalytic nanomaterials - Theoretical and Computational Chemistry, Heterogeneous Catalysis <p>(2) Analytical Chemistry and Environment:</p> <ul style="list-style-type: none"> - Chemical sensor, Biosensor, Electrochemistry, Nanomaterials - Wastewater Treatment - Sample preparation, Environmental and Analytical Chemistry, Chromatography <p>(3) Biochemicals:</p> <ul style="list-style-type: none"> - Plant biochemistry, Bio-active compounds, Protein structure , and functional - Biochemistry, Proteomics and Protein mechanism - Fluorescence sensors, Nanomaterials, and Natural product <p>Duration of Course: 3 years</p> <p>Language of Instruction: Thai/English</p> <p>Course Contents</p> <p>Total of Credit: 48 Credits</p> <p>Type 1.1 (Doctoral Dissertation only):</p> <p style="text-align: right;">Doctoral Dissertation 48 credits</p> <p>Type 2.1(Doctoral Dissertation and coursework):</p>

	<div>Compulsory Course</div> <div>9 credits</div> <div>Elective Courses</div> <div>3 credits</div> <div>Doctoral Dissertation</div> <div>36 credits</div> <div>Total</div> <div>48 credits</div>
Required-number of Undergraduate-Student	-
Required-number of Graduate-Student	3
Course conditions	-
Applicant qualifications (Specific qualifications)	<ol style="list-style-type: none"> 1. To hold a master's degree in Chemistry or related program from an accredited institution comparable to the degree offered at RMUTT, or expected to acquire such a degree before the RMUTT enrollment date. 2. To have an excellent academic record from reputable universities. 3. To have the aim, satisfactory knowledge, and research skill to work in the research field of this program 4. Application documents <ul style="list-style-type: none"> - Resume - Original bachelor's degree and master's degree academic transcripts in English (Included date of issue) or their photocopies verified and bears FRESH school stamp by the graduated university or by a notary public. The transcript must contain all the courses studied each year, including the marks or grades for each course and GPA. If the applicants are still studying for a master's degree, a temporary academic transcript must be provided. - Briefly the thesis interest in English and list of publications (if available). - Research proposal (1-2 pages in length): A detail of the research plan related to the program's interesting research fields and topics.
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