

Course Application for E-Cube-I Scholarship 2021

Course name	<p>M.Ed. (Technology and Learning Innovation) Master of Education Program in Technology and Learning Innovation</p>
Course Details	<p>To produce master's degree in technology and learning innovation to have knowledge, ability, moral skills, ethics and experience in the following areas.</p> <ol style="list-style-type: none"> 1. Being leadership, ethics, morality, and faith in the profession. Moreover, pay attention to personal development and professional development. 2. Knowledgeable and be competence in education field; especially, application of technology to analyze, synthesis, apply problem-solving, and situation analysis effectively. 3. Be able to do research and media design, and training by applying principles that suite with learning situation. 4. Be responsive in planning and progressing with other people, have good attitude with service jobs, and can get along with teachers as well as be helpful for teachers in instructional design. 5. Have ability in communication and analysis. 6. Have ability to select media, analyze and diffuse innovation, and adopt innovation. Furthermore, graduates have to be able to adopt, apply, and integrate in teaching and learning properly. 7. Have ability in management and evaluate technology and innovation for education. <p>The faculty provides modern teaching and learning media and information technology network to support the teaching, learning as well as and research conduct process.</p>
Required-number of Undergraduate-Student	-
Required-number of Graduate-Student	10
Course conditions	<p>Duration of Course 2 years Language of Instruction: Thai and English</p>

Course Content

1. Category of compulsory subjects	18	credits
1.1 Basic Education	9	credits
1.2 Specific Subjects	9	credits
2. Category of elective courses	6	credits
3. Thesis	12	credits
Total	36	credits

Program Structure

Activate only Plan A2, Total 36 Credits, Lecture on Saturday and Sunday or set appointment anytime

- First year / First semester

Subject Code	Subject	Credit
02-131-601	Research Methodology	3
02-311-601	Learning Technology and Innovation	3
02-311-602	New Media Creation and Open Educational Resources	3
02-312-601	Information and Communication Technology for Learning	3
01-320-601	Academic Reading in English*	N
	* In the case of those who do not have an English test result	
Total Credit		12

- First year / Second semester

Subject Code	Subject	Credit
02-311-603	Research and Development of Learning Technology and Innovation	3
02-311-604	Learning Technology and Innovation Management	3
02-311-605	New Normal in Education	3
02-311-701	Seminar in Learning Technology and Innovation	3
02-211-601	Foundation of Education*	N
	*A foundation course for those who do not have educational qualifications	
Total Credit		12

	<p>- Second year / First semester</p> <table border="1"> <thead> <tr> <th>Subject Code</th> <th>Subject</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>02-317-702</td> <td>Thesis</td> <td>6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total Credit</td> <td style="text-align: center;">6</td> </tr> </tbody> </table> <p>- Second year / Second semester</p> <table border="1"> <thead> <tr> <th>Subject Code</th> <th>Subject</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>02-317-702</td> <td>Thesis</td> <td>6</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total Credit</td> <td style="text-align: center;">6</td> </tr> </tbody> </table>	Subject Code	Subject	Credit	02-317-702	Thesis	6	Total Credit		6	Subject Code	Subject	Credit	02-317-702	Thesis	6	Total Credit		6
Subject Code	Subject	Credit																	
02-317-702	Thesis	6																	
Total Credit		6																	
Subject Code	Subject	Credit																	
02-317-702	Thesis	6																	
Total Credit		6																	
Applicant qualifications (Specific qualifications)	<ul style="list-style-type: none"> • Transcript of Record (Bachelor Degree) Obtained a Bachelors' degree of any fields • Portfolio include Resume, Certificate, and other, describe an experience • Result Examination of TOIEC, TOEFL, IELTS (if any) follow with University requirement • In the case of not have English test result, must be studied on the English for academic. (include coursework) • In the case of a Bachelor's degree in an unrelated field, the subject must be studied on the Foundations of education. (include coursework) 																		
Contact person	<p>Name: Asst.Prof.Dr.Tiamyod Pasawano</p> <p>Phone/ Mobile Number: 0815445575</p> <p>E-mail: tiamyod@rmutt.ac.th</p>																		

Subject

*02-211-601	Foundations of Education	3 (3-0-6)
<p>Integration related to philosophy of education, Thai education system, curriculum and instruction, educational psychology, educational technology and educational measurement and evaluation.</p> <p>*A foundation course for those who do not have educational qualifications.</p>		

02-311-601	Learning Technology and Innovation	3 (3-0-6)
Domains, roles, development, and trends in learning technology and innovation, innovations in educational technology and communications, applications of instruction, learning, education and society in the present and future		

02-131-601	Research Methodology	3 (3-0-6)
Analysis, criticism of research types, research problems, research and documents, population number and sampling selection, quality of research tools, interpretation, summary, and recommendation provision structure, the research report		

02-311-605	New Normal in Education	3(3-0-6)
The new roles concerning the educational situation, environment setup by suitable innovation, instructional and learning design that consistent with the era, various instructional and evaluation methods, rules, regulations, and guidelines for research synthesis related to new normal in education that will generally use to provide education by the direction of national development		

02-311-602	New Media Creation and Open Educational Resources	3(3-0-6)
Principles of learning media creation in the digital era, learning media management with appropriate tools, diffusion of learning innovation podcasting, open sources of knowledge development that are independent of educational institutions, guidelines for research synthesis related to new media, and open learning resources		

02-311-604	Learning Technology and Innovation Management	3(3-0-6)
Concepts, principles of administration, analysis, planning, design, development, and evaluation in learning technology and innovation and learning technology and innovation organization in realistic contexts and virtual contexts		

02-311-701	Seminar in Learning Technology and Innovation	3(3-0-6)
Interesting topics to discuss and present on learning technology and innovation in the present and future		

02-311-603	Research and Development of Learning Technology and Innovation	3(3-0-6)
Principles and methodologies in learning technology and innovation, analysis synthesis and evaluation of research in educational technology in domestic and international other countries, research proposal presentation		

02-312-601	Information and Communication Technology for Learning	3(3-0-6)
Theories, processes, roles, and researches in information, principles and learning communications processes, methods and applications of information and communications technology for education		

02-311-702	Auditory Learning	3(3-0-6)
Principles about audiology, binaural beats to stimulate learning, audio media creation that affects learning, the use of music for emotional therapy, learning activities through music, guidelines for the synthesis of research related to the use of sound waves for learning		

02-311-703	Trends and New Normal in Learning Technology and Innovation	3(3-0-6)
Concepts, principles educational psychology theories, to develop learning technology and innovation, instructional design, media design, evaluation, learning technology and innovation management and service		

02-311-704	Technology Creation for Learning Around the World	3(3-0-6)
Technology design principles, application of technology to create learning materials, organization of learning management systems in academic and service management, application for the global community's learning benefit		

02-311-705	Learning to Learn for Innovators	3(3-0-6)
Principles of learning of innovation development for a modern innovator, collection, processing, data transformation for communication that is suitable for the learners, learning conditions, and learning eras of various media guidelines for the synthesis of research related to the learning innovation		

02-311-706	Strategies for Training Course Development	3(3-0-6)
Strategic creating, process planning, designing and developing training management system, management, and transfer knowledge, select strategic appropriately of training management		

02-311-707	Virtual Learning Environment Arrangement	3(3-0-6)
Concepts, principles, theories, information management systems, information technology, designing virtual learning environment management apply to education		

02-312-701	Social Media for Learning	3(3-0-6)
Integration, educational principles, communications principles, system approach, knowledge management, information system, information technology, tools in communicating via social media		

02-312-702	Innovation and Information Technology for Learning	3(3-0-6)
Applications of principles in information communication and technology, instructional system, and educational psychology apply for designing and developing a learning system		

02-312-703	Digital Media for Education	3(3-0-6)
Developing and designing digital systems for education, administration, researching, serving, and problems solving in education		

02-312-704	Application Development for Learning	3(3-0-6)
Applications of principles, theories, and researches in designing an application for learning several forms systematically		

02-313-701	Development of Artificial Intelligence Media for Learning	3(2-3-5)
Data compilation principles preparation of the electronic brain manuscript copyright of artificial intelligence media cost and quality analysis microchip sorting systems and processes practice producing artificial intelligence media with specialized software, analyze media quality and use to support learning		

02-313-702	Innovation Invention for Learning	3(3-0-6)
Creating innovative ideas apply digital principles to enhance learning. invention design, learning psychology, the production of learning materials, and principles of applying in and systematically evaluating the media		

02-313-703	Production of Digital Radio and Television Programs for Informal Learning	3(2-3-5)
Principles of production for broadcasting media on digital network, psychology-related to informal learning, production process management, message design, program quality evaluation, broadcasting law, guidelines for research synthesis related to the media in the digital platform		

02-314-701	Learning Evolution from E-Learning to U-Learning	3(3-0-6)
Evolution information technology systems, information technology and presenting E-Learning to U-Learning for education systematically, apply principles and theories in designing, educational psychology, apply U-Learning for teaching development		

02-314-702	Integrated learning Materials Design	3(3-0-6)
Application of principles, theories, integrate non-electronics media and electronics media to produce media for presentation and learning media in the teaching system		

02-317-702	Thesis	12(0-0-36)
Development thesis in educational technology and communications domains, problems identification, planning, research and literature reviews, research methodology and statistics, data collections, data analysis and interpretations, writing, developing, and presenting of thesis reports to the thesis examination committees		

กรุณานำไปโพสต์ขึ้นเว็บไซต์มหาวิทยาลัยเพื่ออัปเดตข้อมูล (หมดทุกหน้า)

<http://www.eng.rmutt.ac.th/master-of-etc/>