

### LIST OF SUGGESTED SUBJECTS

Code	Course Title	Credit	Course Description
<b>Faculty of Humanities and Social Sciences</b>			
261-102	Communicative languages for teachers	2	Development of listening, speaking, reading and writing skills for Thai and English, focusing on communicating by spoken language, body language, etiquette and art of using languages in communication, discussion and expressing opinions according to educational issues and specific subject areas according to social and global contexts by using technology for communication development in educational profession according to the differences among all age groups
437-201	Ethics and Social Responsibility	2	Concepts; theories; significance; ethics in social work; identity construction; self, social and environmental responsibilities through social activities
437-202	Smart Thought, Clever Understanding	2	The conceptual resolution, understanding, understanding of polarized and different points of view, recognizing the advantages and the disadvantages of different opinions, constructing student's own ideas, logical assessment of the real situations, unknown worldview, self-understanding
417-101	Hi! English	2	"Practice of English conversation in daily life; the practice of English pronunciation; learning English through media such as English cartoons, fairy tales, songs, movies, and short descriptions"
417-212	Paragraph Writing	3	Writing practice at sentence level; collecting and organizing ideas or information for presentation in paragraph form
417-215	Listening Comprehension	3	Listening strategies; listening to conversations, interviews, descriptions and news from various types of mediums; summarizing main ideas
417-313	Public Speaking	3	Discussing and expressing opinions; oral reports; debating; practicing how to serve as a master of ceremony and a moderator
418-101	Communicative French 1	3	French in daily life; practice of listening, speaking, reading and writing of basic sentences for beginners; and learning about French culture.

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419-101	Communicative German 1	3	German in daily life; practice of listening, speaking, reading and writing of basic sentences for beginners; and learning about German culture
411-101	Thai language your language	2	Language and presentation of ideas through written communication appropriate with different situation for the achievement of communicative objectives; culture of Thai language usage ; practice of correcting defective message in communication ; receiving information by reading for main ideas, summarizing, and criticizing for learning and living application
<b>Faculty of Science and Technology</b>			
721-359	Plant Phytochemicals Analysis	3	Definition of phytochemicals; source of phytochemicals; type and structure of phytochemicals; bioactivities of phytochemicals; the benefit of phytochemicals; free radicals; type and the formation of free radicals; antioxidant compounds; antioxidation activities and chain reaction and mechanism; natural antioxidation substances; determination of antioxidation activities using DPPH; ABTS; FRAP and ORAC assay; the half maximal inhibitory concentration (IC50)
722-462	Molecular Genetics	3	Structure and chemical composition of DNA; DNA replication, transcription and translation; regulation of gene expression in prokaryotes; DNA and genome structure; regulation of gene expression in eukaryotes; mutation; DNA repair; molecular genetic techniques and applications
721-251	Analytical Chemistry	3	Fundamental concepts review for quantitative analysis; errors and application of primary statistics in data assessment; analytical techniques: titrimetric, gravimetric, and colorimetric analysis
732-324	Floriculture and Ornamental Plant Production	3	Significance of floriculture and ornamental plants; classification; culture and cultural practices; diseases and pests; production techniques and postharvest technology; production and processes of edible floriculture; floriculture, and ornamental plant production business and career creation
730-113	Introduction to Fishery Technology and Innovation	2	Definition and importance of fishery through supply chain; category of fisheries; development of fishery and aquaculture of Thailand; fishery product and aquatic animal processing industries; economic and

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			marketing situation of aquatic animal goods and fishery products; basic concept on fishery technology and innovation
730-213	Coastal Ecology and Conservation	2	Principle of ecology and component of the ecosystem; water body and coastal habitats; the mechanism for controlling natural balance; utilization of water body and coastal areas for fisheries and aquaculture; quality of coastal water; water pollution; concept and principle for coastal conservation and management; critical case study related to regional coastal ecosystems
741-441	Analysis of Rubber and Rubber Chemical Laboratory	1	Analysis of raw, natural, and synthetics rubber; qualitative and quantitative analysis of filler; analysis of chemicals extractable from rubber with acetone; determination of nitrogen; determination of unsaturated rubber; determination of black carbon content; resolution of crosslinking density by swelling and physic method.
<b>Faculty of Islamic Sciences</b>			
763-002	Business Innovation Development Module	9	Innovative thinking; design thinking process; tools and processes for business innovation development; using creativity to develop or create new things that is valuable and useful to others, either economically or socially; creating innovations using information technology that is appropriate for the situation; understanding market, behavior and decision making process of consumer buying in the digital age; innovation acceptance of consumer in the digital age; guidelines for business communication for users; design thinking process in Islamic business with user-centric approach; develop innovations that meet the needs of users and situations; guidelines for using information technology in business context; understanding the nature of effort and failure from the Qur'an and example of the Prophet Muhammad's life to business innovation
780-120	Ulum al-Qur'an I	3	Historical background of 'Ulum al-Qur'an; Wahyu; compilation and transcription of al-Qur'an; structure and contents of the Holy Scripture; the revelation and its causes; study of the distinction between Makkiah and Madaniah

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<b>Faculty of Political Science</b>			
196-103	Leadership and Management	2	Concepts and theories of leadership; characteristics and roles of leaders and followers; change leaders; creative leaders; competency; team building and team work; principles and theories of strategic management; leadership development; success-oriented management
196-318	Human Security	3	Concepts and arguments about human security; change process and its impact; issues of human rights, human security and their relations to international and local contexts
<b>Faculty of Fine and Applied Arts</b>			
913-314	Portrait Drawing for Design and Creativity	3	Patterns of portrait drawing for design and creativity; approaches and applied strategies of portrait drawing; the practice of creative designing by using digital technology or in combination with other art fields; work presentation in various forms; ethics in design/creative work
913-316	Flower Painting for Souvenirs	2	History and patterns of flower painting; principles of flower painting; shadow and shade drawing; coloring; practice of creative design by using digital technology or in combination with other art fields; work presentation in various forms; ethics in design/creative work
<b>Faculty of Nursing, Pattani campus</b>			
993-172	Social Engagement In Crisis	1	Concepts and principles of CPR (Cardiopulmonary resuscitation); public health care; CPR simulation training; public service
993-226	Disaster Nursing	2	Concepts and types of disasters; management of health service; nursing care during pre-disaster, emergency situation and rehabilitation phase; cardiopulmonary resuscitation during rescue phase; nursing care for individuals, families and communities who faced with natural, man-made disaster and armed conflicts; psychological first aids and rehabilitation; forensic medicine; other related legal, ethical and cultural issues; practicum of disaster nursing with simulation or in health institutions or communities
993-391	Adult Nursing Practicum I	4	Practicum of transcultural nursing by applying nursing process for adult clients with acute, chronic, complicated and non-complicated illness without crisis; emphasizing on nursing treatment and

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			rehabilitation with concerning of families' participation; applying of medical technologies, general and specific nursing techniques in nursing practice; performing of discharge planning for continuing care with concerning of professional laws and code of nursing ethics, client's culture and safety
993-392	Geriatric Nursing Practicum	3	Practicum of transcultural nursing by applying nursing process for elderly clients with normal health condition, acute and chronic illness, emphasizing on nursing treatment, rehabilitation and health promotion with concerning of families' participation under professional laws, code of nursing ethics, client's culture and safety
993-396	Mental Health And Psychiatric Nursing Practicum."	2	Practicum of transcultural nursing practice for clients with high risk of mental health disturbance, clients with mental health disturbance; psychiatric clients by applying nursing process, therapeutic relationship skills, therapeutic use of self, basic nursing therapy for individuals, families and communities focusing on mental health promotion, prevention, nursing treatment, continuing care, rehabilitation and referring with concerning of professional laws, code of nursing ethics client's culture and safety
993-491	Maternal, Newborn, And Midwifery Nursing Practicum li	4	Practicum of transcultural nursing for maternal clients during pregnancy, labor, and postpartum period with normal, abnormal health condition and health complication; birth assisting; assisting obstetricians for obsteric procedures; transcultural nursing for newborns with abnormal health condition and health complication by applying nursing process for health promotion, prevention, curing and rehabilitation with concerning of laws, professional code of nursing ethics, client's culture and safety
<b>Faculty of Communication Science</b>			
870-220	Online Marketing	3	Concept of online marketing; online marketing mix; online marketing strategy and creating brand; digital technology in online marketing; tools and marketing channels; online marketing activities such as search engines and marketing through social media; related laws, ethics and professional ethics

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870-321	International Marketing Communication	3	Planning for international marketing communication; approaches to consumer needs and culture; factors influencing on international marketing communication such as economy, politics, laws and agreements on trades and international marketing communication
<b>Non-Degree Program</b>			
117-N01	Lettuce Farming Business	5((2)-6-7)	The history of lettuce and their varieties, pest managements, environmental managements for the lettuce growth, managements of production and plant nutrition, managements of pre- and post-harvest, managements of seed production and breeding, managements of packaging and processing, managements of online and offline marketing, transportation management, management of suitable technology for lettuce farming, business analysis overview and improving the business plan, the environmentally-friendly business, carbon footprint, farm standards and safety for producers and consumers