

# Course Description

0201118 Development of Critical Thinking 3 credits

## DEV CRIT THINK

Definition, importance, concepts, and theories of thinking and critical thinking; process of critical thinking, evaluation and decision making different situations and use of appropriate information; practice according to critical thinking process for personal, social and national development.

0201151 Our Environment 3 credits

## OUR ENVIRONMENT

Situation in Thailand on the natural resources and environment, policy and environmental management; environmental law; concepts and alternatives for natural resources and environmental conservation.

2200201 Academic Report Writing 3 credits

## ACAD REPORT WRIT

Analytical and argumentative writing, including: proper use of words; clarity of Language; effective use of information resources; access to information, through the library catalog, periodical indexes, references and database; research paper writing; critical reading and analysis in relation to research paper writing; presenting reports

2204180 Civilization 3 credits

## CIVILIZATION

The origin and progress of mankind from the Prehistoric, the Ancients, the Middle Ages, the Modern to the present; interaction in each period among social, economic and political conditions, wisdom and creative arts; aesthetics aspect of work reflecting the progress of man in each period.

2207103 Philosophy and logic 3 credits

## PHILOS LOGIC

Meaning and Scope of Philosophy: major problems of ultimate reality, knowledge and sources of knowledge, ethics, aesthetics and applied philosophy; logic as an instrument of Philosophy; nature of inductive and deductive methods of reasoning; principles of valid and invalid reasoning; an analysis of reasoning in ordinary language.

2303103 General Biology 3 credits

## GEN BIO

An introductory course in biology: the unifying problem of life energy, environment and reproduction at each fundamental level of biological organization; principles of biology with special reference to form and function, development, communities, evolution and behavior.

**2303104 General Biology Laboratory** 1 credit

**GEN BIO LAB**

(Condition: COREQ 2303103)

A laboratory course in general biology accompany 2303103

**2303165 Man and Environment** 3 credits

**MAN & ENVIRONMENT**

Introduction to the key concepts and principles that govern how nature work, understanding of the fundamental relationships between man and environment, the history of man's interaction with the ecosphere, illustrate how environmental and resources problems are interrelated with man and must be understood and dealt with in a multidisciplinary, holistic approach, envision of solution to achieve the sustainable earth society.

**2403183 Society and Culture** 3 credits

**SOCIETY & CULTURE**

An introduction to sociology, social organization, culture, socialization, social institutions, social stratification, social groups, social change, deviant behavior and social problems of Thailand

**2403184 Social Diversity and Justice in Thai Society** 3 credits

**SOC DIVER JUS THAI**

Introduction to understanding issues of social diversity and social justice in Thailand and abroad: critical discussion on race, social class, gender, sexuality, ethnicity, nationality, and physical differences as well as other related concerns; field trips in related organizations.

**22403284 Cross - Cultural Management** 3 credits

**CROSS CULT MGT**

Concepts and theories of cross - cultural management affecting the operation related to different cultural groups and impact on organizational behavior in Thailand and abroad; topics on cross - cultural communication and cultural sensitivity, including problems and solutions to overcome culture shock; ethics in management of different cultures; guidelines for cross - cultural management for efficiency and productivity.

**2404300 Information Technology and Society** 3 credits

**IT SOC**

Information society and globalization; the role of IT in development; socio-economic implications of IT in private and public; ethical and legal issues; public policy on IT.

**3800101 General Psychology** 3 credit

**GEN PSYCHOLOGY**

Data and methods of psychology; physiological foundations of behavior; feeling, perception, learning, memory, thinking, judgement, motivation, and personality adjustment, deviant behavior, therapy and control of deviant behavior.

**3807100 Introduction to Statistics** 3 credits

**INTRO STAT**

Statistical methods applied to problems in psychological research: descriptive statistics, probability, estimation, basic inferential statistics, correlation, regression, and basic analysis of variance.

**3807101 Introduction to Research Methodology in Psychology** 3 credits

**INTRO RES METH**

Introduction to theories of knowledge and empirical research; measurement of behavior; various types of research in psychology; control of variables, data collection and interpretation for various types of research and problems with data collection and interpretation.

**3807110 Introduction to Biopsychology** 3 credits

**INTRO BIOPSY**

Genetics, evolution, and biological mechanisms affecting human behavior and their interaction with the environment.

**3807120 Introduction to Counseling Psychology** 3 credits

**INTRO COUN PSY**

Foundations of counseling profession, counseling theories and practice, professional and training standards, professional ethics, work settings, issues in counseling including ethics and laws, research, and career.

**3807130 Introduction to Social Psychology** 3 credits

**INTRO SOC PSY**

Behavior of individuals in groups and of groups of people; formation and change of attitudes, values, and beliefs, including communication, aggression, and altruism; discussion on classic and state-of-the-art psychological research on these topics. 3(3-0-6)

**3807140 Introduction to Developmental Psychology** 3 credits

**INTRO DEV PSY**

Development of thought, languages, and personality; discussion on genetic and environmental influences on human development; normal development, various symptoms, and causes of abnormal behavior; discussion on classic and state-of-the-art psychological research on these topics.

**3807170 Introduction to Cognition** 3 credits

**INTRO COG**

Basic psychological processes that enable humans to interact with their environment and perform everyday tasks, with emphasis on attention, recognition, perception, learning, and memory.

**3807200 Psychological Testing and Measurement 3 credits**

**PSY TEST MST**

The meaning and principles of psychological testing and statistical knowledge for test uses; norms, validity and reliability of tests; discussion on aptitude and personality testing.

**3807210 Psychophysiology: Method and Application 3 credits**

**PSY METH APP**

Contemporary concepts of Psychophysiology as a modern science, the relationships between the mind (Psychology), and the Physiology of the body and the nervous system, and behavior including also different contemporary and interdisciplinary methodological approaches and their applications which were used to study the development, molecular, cellular, structural, and functional and psychophysiological aspects of the mind-brain-behaviour in health, in various illnesses, and their links to important human diseases.

**3807230 Social Cognition 3 credits**

**SOCIAL COGNITION**

Theory and research concerning organization and interpretation of social information in social environment; structure of social cognition, impression formation, mental strategies, and attribution processes.

**3807240 Social Development 3 credits**

**SOC DEV**

Lifespan socialization process and acquisition of social behavior; environmental and genetic influences on this area of development; social behavior problems as well as the methods for minimizing them.

**3807250 Social-Organizational Psychology 3 credits**

**SOC ORG PSY**

Social environment affecting behavior, thinking and attitudes of individuals and groups in related topics: love and hatred, conformity and individuality, group processes, communication and psychology in the work environment.

**3807251 Industrial and Organizational Psychology 3 credits**

**IND ORG PSY**

Basic theories and practice in industrial and organizational psychology; personnel selection and placement, group dynamics plus conflict, climate, learning styles, power, stress process/content, training, work motivation, personnel attitude, and leadership.

**3807260 Cognitive Development** **3 credits**

**COG DEV**

Theories and research in lifespan cognitive development; environmental and genetic influences on this area of development; early input in language acquisition, attachment and intimate relationships, child-rearing, moral reasoning, memory and problem-solving; a cross-cultural study.

**3807380 Applied Psychology** **3 credits**

**APPLIED PSYCHOLOGY**

The use of psychology to conceptualize and solve problems arising in society; application of the knowledge of psychology in different areas: education, sports, health promotion, competition, training, laws and justice.

**3807382 Personal Development in Eastern Psychology** **3 credits**

**PERS DEV EAST PSY**

Theories and principles in Eastern personal development; development of personality, emotion, and social behavior in Eastern culture; use of Eastern perspectives and paradigm in understanding human personality and behavior.

**3807470 Career in Psychology** **3 credits**

**CAREER PSY**

Knowledge and skills in psychology and alternatives of career paths; experiences of leading psychologists in different areas, with emphasis on psychological work in the Thai cultural context.

**3807480 Seminar in Integrated Eastern and Western Psychology Perspective** **1 credit**

**SEM INTE EW PSY**

Eastern and Western perspectives in psychology, their common grounds as well as their uniqueness; dangers in exaggerating the latter without taking into consideration the former; integration of Eastern and Western perspectives and its application in understanding human psyche.

**3807493 Individual Study** **3 credits**

**INDIV STUD**

Individual reading and/or library research project of a student's own interest under supervision of a faculty member.

**3807494 Senior Project** **3 credits**

**SENIOR PROJECT**

Presentation of individual projects on psychology in the area of a student's interest.

**5518111 Essential English for Psychology I** **3 credits**

**ESS ENG PSY I**

Practice in basic reading skills and vocabulary development in the field of psychology; practice in basic listening and speaking skills

**5518122 Essential English for Psychology II** **3 credits**

**ESS ENG PSY II**

Practice in academic writing skills in order to explain and express opinion on psychology related topics.

**5518213 Academic English for Psychology** **3 credits**

**ACAD ENG PSY**

Practice in the four language skills with an emphasis on expressing opinions on topics related to psychology, reading articles on psychology to develop strategies for effective reading and writing short essays on psychology.

**Anat3022 Functional Neuroanatomy** **3 credits**

**FUNCT NEUROANATOMY**

Up-to-date concepts & notions of human brain & behavior for psychology students. Emphasis on factors which define brain structures & functions & cognitive functions. Practical classes based on histology, macroscopic anatomy & neuropsychology.

**PSYC2010 Psychological Research Method II** **3 credits**

**PSYCH RES METH II**

The aim of this course is to provide students with a comprehensive overview of theory & practice of research methodology, data analysis & report writing in psychology. Topics to be covered include design & measurement issues, methods for analyzing psychological data, procedures involved in the reporting of psychological research, & issues concerned with the interpretation of such research.

**PSYC2020 Neuroscience for Psychologists** **3 credits**

**NEUROSCIENCE PSYCH**

Everything in psychology concerns the mind, and everything in the mind depends on the brain. Clinical psychologists, social psychologists, emotion researchers, cognitive psychologists can all benefit from knowing about the brain. No matter what kind of psychologist you want to be, your work in psychology can be informed by an understanding of neuroscience. In the first section of the course we cover how the brain is organized, how it develops, how neurons and neurotransmitters work, and what methods can be used to study the brain. In the second unit, we look at some basic systems in the brain, including systems for memory and learning, for perception, and for movement and motor skills. In the third unit, we look at higher-level systems in the brain involved in emotion, mental illness, language, social cognition, and complex problem-solving.

**LEARNING COGNITION**

This course is designed to introduce the basic findings & concepts from research in associative learning & in cognitive psychology. In the cognitive psychology stream, the emphasis will be on selected topics in memory, imagery, language, intelligence and comparative psychology. The learning component will focus on the experimental analysis of behaviour as derived from principles of associative learning. Both streams will emphasize the relevance of basic research for application in areas such as human factors or behavioral therapy. Laboratory sessions will focus on training of skills including gathering, analyzing & presenting information, & in providing feedback.

**ADV SPORT EXER PSY**

Expansion on theoretical and practical knowledge of basic sport and exercise psychology. Emphasis on theoretical basis of applied sport and exercise psychology and the development of practical skills that can be employed as teachers, coaches, fitness professionals and exercise scientists.

**PSYCH RES METH III**

This course builds on aspects of psychological factorial design covered in PSYC2010. It extends one-variable designs to designs involving multiple independent variables. Specifically, in relation to the empirical investigation of psychological issues, it deals with research designs with categorical independent variables (involving both within & between subject variables) & with measured-variable designs involving two or more predictors. Methodological issues associated with the use of these designs in psychological research will be explored. For example, lectures will be devoted to design-related confounding, measurement issues, & other interpretational concerns. In addition, the analysis techniques appropriate to these designs will be addressed (especially factorial analysis of variance & multiple regression). Students will gain experience in computer-based analysis using statistical packages.

**MEASUREMENT PSYCH**

This course provides an introduction to psychometric knowledge which underpins the competent use of psychological tests & which also relates to the conduct of research. Professional & applied issues are also discussed in so far as they relate to problems of measurement.

**TOPIC SOCIAL PSYCH**

This course provides in-depth training in specific areas of social psychology. The course is intended to build on PSYC2040 (Social and Organisational Psychology) by exploring content from that course in greater detail (e.g. stereotyping and prejudice) and also by addressing new topic areas in social psychology not covered in that course (eg self-regulation and mental control).

**JUDG DECISION-MKG**

Every day we make decisions by relying on our personal theories about how things are supposed to work. But our reliance on these rules is paid for at the cost of accuracy. We tend to see what we expect to see and believe what we're told. One goal of this course is to figure out how everyday decision making can be improved.

**INT HUMAN FACTORS**

The course conveys fundamental principles of human factors psychology, which is the science and practice of understanding the fit between people and the systems they work with. Course is constructed around site visits to four kinds of safety-critical workplaces: transportation (air traffic or roadway control rooms, health (critical care or emergency departments), energy (power generation or transmission control rooms, and emergency response (crisis or rescue command centres). We study challenges of human-system fit in such workplaces from the perceptual, Cognitive, social, and organizational points of view.

**PSYCH DISABILITY**

Discusses causes and consequences of disability, social barriers, individual differences, and current service approaches.

**PSYCHOTHERAP COUNS**

There are over 150 recognised theories of psychotherapy. In this course, students are introduced to major theoretical frameworks in psychotherapy including Psychodynamic Therapy, Cognitive Behaviour Therapy and Person-Centred Therapy. Issues related to conducting ethical, culturally sensitive and productive therapy with clients are discussed.

**PSYCHOPATHOLOGY**

The course provides an overview of the nature and history of abnormal behavior and then examines the predominant models underlying our understanding of abnormality. Detailed descriptions and empirical research relating to a range of clinical problems form the core of the course. Topics include schizophrenia, mood disorders, anxiety disorders, personality, somatoform and dissociative disorders, and disorders of childhood. Presentations of clinical problems are supported by outside speakers or video based illustrations. There is an emphasis upon empirical evidence relating to the epidemiology, etiology, and treatment of the clinical problems covered during the course.

**ATTITUDE SOC COG**

This course explores the concept of attitudes, the relationship between attitudes and behaviour, and the processes of attitude change. In addition, central topics in the study of social cognition, including social categories and schemas, self-schemas, and affect and social cognition will be covered. The



practicals involve the design and implementation of individual projects on attitude-behaviour relations. A focus of the course is to understand how our social environment changes our thoughts, feelings and actions without our conscious awareness.

### **PSYC3132 Health Psychology**

**3 credits**

#### **HEALTH PSYCHOLOGY**

The mind and the body are intricately linked. In this course we will explore the links between mental processes and behaviours as related to health and illness. Topics include theories of healthy behaviour, health enhancing behaviour (eg exercise), health risk behaviour (eg smoking), and rehabilitation. This course will challenge you to critically evaluate the role that cognition, society and the environment play in the health of individuals.

### **PSYC3142 Intergroup Relations & Group Processes**

**3 credits**

#### **INT RELA & GR PRO**

This course will learn about the social psychology of how groups operate and how groups relate to each other. Topics include conformity and obedience, cult behavior, brainwashing, the psychology of war, the struggle between individual and group will, prejudice, stereotyping, and conflict management. These topics will be discussed with reference to theory and empirical research, but also with an eye to the applied implications for promoting positive change and resolving real-world conflict.

### **PSYC3152 Applied Topics in Lifespan Development**

**3 credits**

#### **APP TOPIC LIFE DEV**

This course examines the processes of psychological development over the lifespan and is designed to equip students with an understanding of normal development and applications of knowledge for optimising lifespan development in careers such as education, counselling, career guidance and working with the elderly.

### **PSYC3162 Development in Infancy**

**3 credits**

#### **DEVELOP INFANCY**

In the first two years of life astounding developmental changes occur. This course covers all aspects of human development during the infancy period including prenatal development and birth, perceptual and motor development, cognition and learning, social-emotional development, and attachment. Students will gain an understanding of research techniques specific to studying preverbal infants.

### **PSYC3172 Basic Processes in Cognition**

**3 credits**

#### **BASIC PROCESS COG**

Cognitive psychologists seek to understand basic mental processes that enable us to interact with our environment and perform everyday tasks. The focus of this course is on attention, recognition of familiar stimuli, and the function of working memory. These topics will be discussed in terms of fundamental issues in cognitive psychology, including serial versus parallel processing, preconscious processing, automaticity and the nature of mental representations. The laboratory program will train students in typical paradigms involving accuracy and latency measures of performance.

**SEN NEUROS**

The sensation of seeing, hearing, touching or smelling is a product of activity in your brain. Scientists who wanted to work out how this activity could generate conscious perceptual experiences established experimental psychology as a discipline. In this course we will appraise contemporary evidence concerning these links. Students will be taught how to critically appraise empirical evidence, establish research hypotheses, and how to test those hypotheses.

**PERSONAL RELA**

Personal relationships are encountered across the lifespan and include family, marital and friendship relationships. From this course, students should develop familiarity with the major empirical studies of personal relationships, the influential theories, and the range of methodologies used to study relationships.

**BEH NEURO LEA EMOT**

This course will introduce students to selected topics of research in learning & emotion. Particular emphasis will be placed on the biological bases of these psychological processes as explored in the new field of behavioral neuroscience. Students will be exposed to a multilevel research approach, which combines traditional methods of exploring human behavior with physiological methods & animal experimentation. The lectures will be complemented by small group tutorials in which particular emphasis will be placed on the acquisition & training of skills relating to literature research, & to oral & written presentations.

**EVOL APP HUMAN BEH**

This course is designed to give students a working knowledge of how to correctly apply evolutionary biology to the study of human behavior. Evolutionary psychologists use evolutionary biology to make inferences about psychological mechanisms. There are several ways of reconstructing humans' evolutionary past, leading to different sorts of psychological hypotheses. The course covers what psychologists can learn from game theory, hominid archaeology, primate behavior, and hunter-gatherer cultures, giving an overview of the major sources of hypotheses in evolutionary psychology. Throughout, we will balance theory with critical review of empirical studies in evolutionary psychology.

**NEURO SOC BEH**

This course is designed to give students a working knowledge of current findings in the emerging field of social neuroscience, the study of brain systems underlying social behavior. Students will cover basic neuroanatomy and will review research on brain systems underlying face recognition, emotion recognition, attachment, theory of mind, conversational pragmatic and deception. Through this process students will learn about a variety of neuroscience methods involving social psychology paradigm: lesion studies, patient research, single-cell recording, and neuroimaging.

**DEV PER HUM CULT**

We all prepare food, play cooperative games, romance each other, etc. But how we do so depends on our cultural background – we are, by far, the world’s most “cultural animal”. So what was the ‘X-factor’, the magic ingredient of culture that took humans out of the general run of mammals and other highly social organism” By emphasizing research in developmental psychology and integrating perspectives from comparative, social and evolutionary psychology this course explores contemporary answers to this question .

**COG NEUROS**

Cognitive neuroscience is an emerging field of inquiry concerned with how the brain accomplishes tasks such as remembering, sensory perception and language. This course will provide a survey of topics in cognitive neuroscience with a focus on how neuroscience has advanced our understanding of the brain, as well as the methodologies used to gain these insights.

**PARENT FAMILY PSY**

The family environment is critical for the development of children and for adult adjustment. In this course we will explore key theories and models of the development of parenting and family interactions. We will also look at functional and dysfunctional family relationships and behaviours, and effective ways to assess such interactions. Finally, the course will focus on applications of developmental models to intervention and clinical applications, and the role of parenting interventions in the prevention and management of social, emotional, behavioural and health problems.