COURSE DETAILS

20794   Independent Study (Curriculum and Instruction)   (6 credits)

Course Learning Outcomes

1. Apply concepts, theories, and methods studied from various courses to conduct an independent study in the form of research, synthesis/analysis of research, academic written work, or educational innovation.
2. Design an independent study on the topic and type of study according to students' interest.
3. Write an independent study report.
4. Present and defend an independent study.
5. Consider ethical issues when conducting a study.

Course Description

Selecting an independent study problem, forming a topic and identifying type of research based on students' interest, namely research, synthesis/analysis of research, academic written work, and educational innovation. Reviewing concepts, theories, and methods from related literature; designing and carrying out the study according to the selected type of work; writing an independent study report, and presenting the study results, all of which are conducted in accordance with research ethics.

20795   Thesis (Curriculum and Instruction)   (12 credits)

Course Learning Outcomes: Upon completion of the course, students should

1. To be able to select research problems for a thesis.
2. To be able to survey and analyze literature related to the thesis.
3. To be able to design research for the thesis.
4. To gain knowledge and skill in writing and presenting the thesis proposal.
5. To be able to develop quantitative research tools.
6. To be able to develop qualitative research tools.
7. To be able to collect, analyze, and present data for the thesis.
8. To be able to present and defend the thesis examination.
9. To be able to write the complete thesis report.
10. To be able to write the research report for publication.

Course Description

Selection of the research problem; survey and analysis of relevant literature; research design; writing and presenting a thesis proposal; tool development for thesis research, both quantitative and qualitative research; data collection; thesis data presentation; thesis presentation and examination defending; writing the complete thesis report; writing the research report for publication.

20796   Graduate Experiences in Curriculum and Instruction   (6 credit)

Course Learning Outcomes

1. To transfer knowledge and experience relating to learning experience management and school administrative management in actual situation for exchange of learning.
2. To acquire a proper personality and a good attitude towards educational studies profession.
3. To enable showing the behavior of being a professional education leader.
4. To acquire human relations and ability of team work.
5. To acquire skills in solving problems efficiently in educational studies profession.
6. To acquire professional problem solving skills Including promoting morality and ethics as a high-level professional.

Course Description

Analysis of curriculum, management of learning experience and school administrative management in actual situation, self-development for proper personality with good attitudes toward profession, promotion and development of human relations and team work, development of skills in solving professional problems, promotion of morality and ethics as being an individual in high-level profession.

21701   Research in Curriculum and Instruction   (6 credits)

Course Learning Outcomes

1. To enable students to analyze and synthesize concepts and theories of curriculum and instruction for research purposes.
2. To enable students to determine to research questions and set the scope and details of a research project.
3. To enable students to design and carry out a research project in the field of curriculum and instruction.
4. To enable students to analyze data in accordance with the research problems.
5. To enable students to apply research results in instructional development and in conducting further research.
6. With the ethics of researchers.

Course Description

The course covers the fundamentals of research in curriculum and instructional; defining a research problems; reviewing the literature; designing a research project, consisting of choosing the research population and sample, data collection methods, designing and testing the quality of data collection tools, descriptive statistics, inferential statistics to test differences and find relationships, and nonparametric statistics. Students will learn about the characteristics of descriptive research, experimental research, qualitative research, evaluation research, research projects, research reports, evaluation of research studies, dissemination of research studies, and application of research findings for instructional development.

22740   Principles and Concepts in Early Childhood Education   (6 credits)

Course Learning Outcomes

1. To explain, analyze, synthesize the educational philosophy, principles, concepts, theories and developmental psychology and learning and models in early childhood education management as well as to integrate universal principles to develop early childhood education management models suitable for Thai social conditions.

2. To apply the knowledge of early childhood education and related knowledge to use in providing experiences in accordance with the national policies and objectives in managing early childhood education effectively.

3. To explain, analyze, synthesize problems and various factors influential to early childhood education management, as well as find appropriate solutions.

4. To apply knowledge of innovation and technology in early childhood education as a tool for effective early childhood education management.

5. To explain and propose guidelines for child advocacy.

6. To propose guidelines for parents and communities to participated in early childhood education management.

7. To analyze, synthesize the concepts and principles of measurement and evaluation and use the research process for child development and provision of experiences at the early childhood education level.

Course Description

Early childhood education, educational philosophy, principles, concepts, evolution of early childhood education and the model of early childhood education management in Thailand and abroad, policies and objectives in early childhood education management, theories of developmental psychology and learning, problems, and factors influencing early childhood education management, innovation and technology in early childhood education, analysis of early childhood education model suitable for the Thai social context, child advocacy, parents and communities and early childhood education, assessment in early childhood education, basic concepts and scope of research in early childhood education, research related to learning of early childhood, innovation and technology, providing experiences in the early childhood education level, research to develop the potential of early childhood and providing experiences in early childhood education.

22741   Seminar in Curriculum and Learning Management

in Early Childhood Education   (6 credits)

Course Learning Outcomes

1. To describe, analyze and synthesize curriculum theories, instruction theories, factors effecting curriculum development, curriculum design as well as learning management in early childhood education for applying in curriculum development and learning management in early childhood education.

2. To integrate international knowledge with innovation technology and local indigenous wisdom for curriculum development, application, evaluation, and improvement of early childhood education curriculum.

3. To analyze current circumstance and problems of early childhood education curriculum development, suggesting solution and develop appropriately with social and cultural context as well.

4. To have good leadership and followers, be a literate person, and apply new body of knowledge, innovation and technology for curriculum development and learning management in early childhood education.

5. To create network and cooperation with parents and communities to develop the quality of early childhood education.

6. To acquire, share points of view in key issues of curriculum development and learning management emerged in and out of the country.

Course Description

Curriculum theories and instruction theories, factors influential curriculum development and learning management in early childhood education, curriculum design and learning management in early childhood education, school curriculum implementation, innovation and technology used for learner's development and learning management in early childhood education, use of early childhood education curriculum for evaluation and curriculum improvement, integration of international knowledge with innovation, technology and local indigenous wisdom.

Academic seminar process regarding current environment, problems, trends including new body of knowledge, innovation in curriculum development and domestic and international learning management, analysis of components for learning management, classroom management, parental participation, development of leadership and network for learning exchange leading to educational quality in early childhood education both curriculum development and learning management in early childhood education.

22742   Management of Early Childhood Educational Institution   (6 credits)

Course Learning Outcomes

1. To explain, analyze, synthesize the principles and processes of management in early childhood educational institution.

2. To explain the necessary skills for administrators of early childhood educational institution and apply them appropriately to the circumstances.

3. To explain, analyze, synthesize missions in management of early childhood educational institution.

4. To propose guidelines for managing academic work and academic support work at the early childhood education level.

5. To apply appropriate innovation and technology in management of early childhood educational institution.

6. To propose guidelines for educational management for preschool children with special characteristics.

7. To behave according to professional ethics.

Course Description

Principles and processes in management of early childhood educational institution, necessary skills for administrators in early childhood educational institution, strategic planning, conflicts administration, information management and knowledge management, mission in management of early childhood educational institution, management of academic work and academic support work, innovation and technology for management of early childhood educational institution, educational management for preschool children with special characteristics, quality assurance, educational institution administrators and personnel development, morality and professional ethics of the early childhood educational institution administrators.

22744   Provision of Experience for Preschool Children   (6 credits)

Course Learning Outcomes

1. To explain scopes of provision of experience for preschool children development.

2. To explain and analyze development, learning, and behavior of preschool children.

3. To explain and apply principles and provision of experience methods for preschool children development.

4. To explain, analyze, and synthesize provision of experience on sufficiency economy philosophy and apply it for preschool children development.

5. To provide experiences and assess preschool children appropriately.

Course Description

Development, learning, and behaviors of preschool children; scopes of provision of experience for preschool children development; key factors influential over provision of experience for preschool children; principles and experience provision methods for preschool children development; provision of experience on sufficiency economy philosophy for preschool children; assessment of preschool children; roles of people involved with provision of experience for developing preschool children; provision of experience in physical, emotional, social, cognitive, language, science, mathematics, social studies, art, music and movement.

22745   Seminar in Curriculum and Instruction   (6 credits)

Course Learning Outcomes

1. To analyze and synthesize of curriculum theories, instruction theories and factors affecting curriculum development and ability to design curriculum and instructional activities with Efficiency.

2. To enable students to integrate international knowledge with innovation, technology and local indigenous wisdom for curriculum development, application and curriculum improvement.

3. To implement knowledge of curriculum and instruction for self-career development.

Course Description

Curriculum and Instruction theories, foundation and factors influential over Curriculum and Instruction development, Curriculum design, process for organizing Instructional activities, Curriculum implementation for educational institution, integration of international knowledge with innovation, technology and local indigenous wisdom, process for academic seminar regarding current circumstance problems and trends in curriculum and Instructional development, development of leadership and learning network leading to educational quality.

22746   Foundations and Methodologies of Thai Language Instruction   (6 credits)

Course Learning Outcomes

1. To develop curriculum for Thai subject in school.
2. To analyze language instruction theories, system management for Thai Language learning pattern and techniques in Thai language instruction for design learning and mange Thai language instruction.
3. To explain the different learning instruction for learners who have different needs.
4. To manage instruction by using media, innovation, technology, information, local wisdom and learning resources.
5. To design measurement and evaluation in Thai language instruction.
6. To research about Thai language instruction.
7. To analyze Thai teacher characteristic for self-improvement.

Course Description

Curriculum development, language instruction theories, system management for language learning design of language learning; pattern and technique in Thai language instruction management for special learners media innovation information technology local wisdom and learning resources, teaching Thai language as a second language learning measurement and evaluation methodologies of Thai language instruction.

22747   Development of Language Skills   (6 credits)

Course Learning Outcomes

1. To analyze development guidelines of teachers' language skills continuously.
2. To analyze development guidelines of learners' language skills continuously.
3. To organize instructional activities for improvement and development of learners' language skills.
4. To explain concept principle and design instrument for evaluation of language capacity.

Course Description

Nature of language and language usage for communication, psychological theories related to learning and teaching language, continued development of listening, viewing, speaking, reading and writing skills with efficiency, developing thinking skill for developing language skills instructional management for development of listening, viewing, speaking, reading and writing skills, development and evaluation of language capacity for communication.

22748 **Folk Literature**   **(6 credits)**

Course Learning Outcomes

1. To analyse characteristics, formats of folk literature.
2. To complain relationships of folk literature in localities of various regions as well as relationships with society.
3. To synthesize status of folk literature.
4. To recommend guidelines to preserve and promote folk literature.
5. To apply folk literature as media for learning and instruction.

Course Description

Definition and importance of folk literature, analysis of characteristic type and content of folk literature from different regions, relationships of regional folk literatures, relationships of folk literatures in regions, relationships of regional folk literatures with society and local indigenous wisdom, analysis study and comparative study of folk literature, study status of folk literature, guidelines to preserve and promote folk literature and application of folk literature for instructional media.

22749 **Provision of Learning Experience in Thai Language**   **(6 credits)**

Course Learning Outcomes

1. To analyze learning standards and Thai language knowledge as foundation for activity design and learning experience in Thai language.
2. To design instructional pattern and provision of learning experience in listening, viewing, reading, writing, principles of literature language usage.
3. To produce learning media that suitable for learners.

Course Description

Analysis of learning standards of Thai language, study of content and provision of learning experience in Thai language regarding listening, viewing, reading, writing, principles of literature language usage suitable for learners of each level, learning management to integrate learning content and production of learning media for learners.

22750 **Foundations and Methodologies of Mathematics Instruction**   **(6 credits)**

Course Learning Outcomes

1. To analyze philosophy, nature and structure of mathematics, learning psychology and essential contents of mathematics.
2. To analyze activity pattern for learning mathematics and design activity for learner-centered learning pattern that promote skills and mathematics process.
3. To apply measurement and evaluation in mathematics process for potential development of mathematics learners.
4. To explain concepts and research scope of mathematics studies and research on instruction, learning, and innovation and instructional technology in mathematics instruction.
5. To practically apply research to develop potential of learners and mathematics instruction.

Course Description

Analysis of philosophies, nature and structure of mathematics, learning psychology in mathematics, foundations regarding algebra, geometry and analysis, activity pattern for learning mathematics, design activity for learner-centered learning pattern, organizing instructional activities for mathematics potential development in solving problems, reasoning, linking, communicating, presenting and creative thinking, organizing instructional activities for learners with special mathematics capability, measurement and evaluation of mathematics, basic concepts and scope of research on mathematics studies, instructional research, learning of innovation and instructional technology in mathematics instruction, research for development of learners' potential and development of mathematics instruction.

22751   Applied Mathematics   **(6 credits)**

Course Learning Outcomes

1. To analyze key concepts and methods for applied mathematics regarding the number of abstract algebra theory, graph theory, linear models and non-linear models, calculus, statistics and probability, and other important mathematics.
2. To apply numbering theory, abstract algebra, graph theory, linear models and non-linear models, calculus, statistics, probability and other important mathematics.

Course Description

Analysis of key concepts, methods for applied mathematics regarding analysis of important concepts, methods of applied mathematics concerning analysis of major concepts, application methods of mathematics regarding number theory, abstract algebra, graph theory, linear models and non-linear models, calculus, statistics and probability, and other important mathematics to construct mathematical model for solving problems and other applications.

22752   Mathematics for Teacher   **(6 credits)**

Course Learning Outcomes

1. To Describe about content and principles of basic mathematics regarding sets and logic, number theory, polynomials, equation and inequality, prove and application of geometry, analytic geometry, pattern, relations and functions, basic calculus, statistics and probability and other contents of important mathematics.
2. To analyze and link content and principles of basic mathematics with mathematics in school.

Course Description

Key concepts, content and principles of basic mathematics regarding sets and logic, number theory, polynomials, equation and inequality, prove and application of geometry, analytic geometry, pattern, relations and functions, basic calculus, statistics and probability and other contents of important mathematics, analysis and linkage of basic mathematics principles with mathematics in school.

22753   Provision of Learning Experience in Mathematics   (6 credits)

Course Learning Outcomes

1. To analyze content that is crucial foundation on number and operations, algebra, geometry, measurement, data analysis and probability.

2. To analyze concepts, theories, instructional principles, learning standards and mathematics curriculum, including case studies, activity pattern and mathematics works that enhance learners' mathematics potentials.

3. To develop activity in learning mathematics through using solving problems process as foundation leading to insight, skills and mathematical process deeply and meaningfully.

4. To develop mathematics learning experience that links classroom mathematics with environment and situation in real life.

5. To select information and develop media, innovation and technology in mathematics instruction.

6. To develop evaluation instrument for learner's ability in knowledge, skills mathematics process, attitudes and desired characteristics and misconception diagnosis of learner.

7. To develop learner's mathematics potential by research process in classroom and ability to gather data and manage information system related to learner's mathematics potentials leading to development of learners and management of mathematics education.

Course Description

Analysis of concepts, theories, instruction principles, learning standards and mathematics curriculum, important content regarding number and algebra action, geometry, measurement, statistics and probability, skills and mathematics process, activity pattern and mathematics work that enhances knowledge, skills and mathematics process, organizing learning activities by solving problems as foundation and linking mathematics with environment and situation in real life, learning experience management leading to mathematics project, selection of information, development of media, innovation and technology, development of evaluation instrument for learner's ability in knowledge, skills and mathematics process, attitudes, desired characteristics, and misconception diagnosis of learner, research in classroom and management of information regarding learner's mathematics potential leading to development of learner's potential and development of management in mathematics education.

22754   Foundations and Methodologies of Social Studies Instruction   (6 credits)

Course Learning Outcomes

1. To analyze philosophies, nature, structure, content, and methodologies of social science related to learning management in social studies.

2. To develop curriculum and learning management in accordance with dynamics of social studies, or social changes, national development plan and characteristics of learners.

3. To manage social studies classroom in accordance with educational psychology.

4. To develop application of innovation, educational technology, information technology and diversity of learning resources for learning management in social studies.

5. To apply measurement and evaluation process and educational research for development of learning management and educational management in social studies.

Course Description

Philosophies, nature, structure, content and social science methods, application in learning management in social studies, curriculum development and learning management in social studies in accordance with dynamics of social studies, social changes, national development plan, characteristics of learners, administration and management in social studies classroom in line with educational psychology, development of application of innovation, educational technology, information technology and diversity of learning resources for learning management in social studies, development of measurement and evaluation process and educational research on learning management and social studies management, development of social studies teachers in accordance with the national standards.

22755   Globalization Studies   (6 credits)

Course Learning Outcomes

1. To analyze changes in the world, regions, countries and communities in globalization.

2. To propose guidelines for quality society in globalization.

3. To propose guidelines for development of roles, standards, and competencies of factors related to construction of quality society.

4. To develop curriculum and manage globalization learning in social studies with efficiency.

Course Description

Concepts regarding globalization, globalization process, major changes in the world, regions, countries and communities in globalization, impacts on development of human and environment, concepts and process of building quality society in globalization, balance and major merges in globalization, sustainable development and sufficiency economy, roles, standards and competency of important factors in building quality society including curriculum development and learning management of globalization in social studies by providing learning in line with learners and globalization.

22756   Contemporary Information in Social Sciences   (6 credits)

Course Learning Outcomes

1. To analyze characteristics and types of contemporary information in social sciences.

2. To explain contemporary information resources in social sciences.

3. To explain how to manage system for contemporary information in social sciences including up-to-date information system management.

4. To apply contemporary information in social sciences with instruction fit for learner's level and local circumstance.

Course Description

Concepts regarding contemporary information in social sciences on politics, administration, economics, society, philosophy, education, culture, religious, ethics, environment, resources, population, science and technology, characteristics, types and contemporary information resources in social sciences, system management methods for contemporary information in social sciences and application of contemporary information system in social sciences with instruction, sustainable development and sufficiency economy, how to process, analyze, and synthesize contemporary information in social sciences including knowledge management in social sciences for creation of work or article with efficiency.

22757   Provision of Learning Experiences in Social Studies   (6 credits)

Course Learning Outcomes

1. To analyze and synthesize contents regarding religious, morality, ethics, citizen's duty, culture and leading life in society, economics, history, geography, and how to study contemporary sciences and content in social sciences related to learning in social studies.

2. To apply concepts, theories and principles of social studies instruction to promote social studies potential of learners.

3. To analyze and improve social studies curriculum to meet with development directions for individuals and communities.

4. To manage learning in social studies related to development of learners and situations in society.

5. To develop and apply innovation, technology, information technology and learning network for development of social studies characteristics of learners.

6. To develop leadership in management of social studies classroom as well as development of important skills in teaching profession of social studies.

Course Description

Contents concerning religion, morality, ethics, citizen's duty, culture and leading life in society, economics, history and geography, and how to study contemporary sciences and contents in social sciences related to learning in social studies, application of concepts, theories and instruction principles in social studies to promote learners' social studies potentials, analysis, management and improvement of social studies curriculums to meet with personnel and society development in localities, learning management of social studies relating to learners' development and situation in real life, application development of innovation, technology, information technology and learning network to develop learners' social studies characteristics, leadership in administration management of social studies classroom and development of important skills in teaching profession of social studies.

22762   Foundations and Methodologies of English Language Instruction   (6 credits)

Course Learning Outcomes

1. Analyze and compare the first language learning and second language learning to use in English instruction.
2. Explain principles of language, literature and language culture usage.
3. Explain, compare and link philosophies and theories related to English language instruction.
4. Analyze English language curriculum processes.
5. Select/apply various patterns of methodologies of English language instruction and evaluation to use in English instruction.
6. Explain media and learning resources of English language.
7. Explain the research work regarding curriculum, management of English language instruction.

Course Description

First language learning and second language, learning Principles of language, literature and language culture usage related to English language instruction, English language curriculum development, methodologies of English language instruction and different patterns of English language evaluation, self-reliance learning pattern, media and learning resources of English language, curriculum research and management of English language instruction.

22763   Contexts of English Language Instruction   (6 credits)

Course Learning Outcomes

1. Analyze environmental factors and psychology concerned effecting learners' language learning.
2. Explain theories of social, cultural, psychological context, variables of language users, intention of language communication and influence over pattern and methods of language usage.
3. Analyze interaction of context towards usage and understanding in message of language users, analyze and synthesize different kinds of message regarding listening, speaking, reading, writing skills and the verities of languages.
4. Analyze theories in language learning and language learning focusing on language usage for communication.
5. Analyze and apply the acquired knowledge with instructional management in classroom.

Course Description

learning theories and language learning in and outside classroom, theories, research works related to language, social context and language usage through various skills, environmental factors and psychology concerned that effect learners' language learning, interaction of contexts, impacts and influence of variables in the aspect of social, cultural context and variables of language users towards pattern and methods of language usage, types of message and knowledge and understanding of language users, experience in message analysis and synthesis.

22764   English Instructional Media Development   (6 credits)

Course Learning Outcomes

1. Evaluate and select English instructional media suitable for learning objectives and learners.
2. Apply textbooks, lessons and teaching materials to context and environment.
3. Design methods and tools to explore needs of learners and those involved in English language teaching.
4. Design and develop lessons, instructional media and instructional activities for teaching language skills that meet the needs of learners.
5. Evaluate the effectiveness of the developed lessons and instructional media in the form of research.

Course Description

Analysis of appropriate lessons and instructional media based on the curriculum for learners; selection of printed media, instructional methods, materials, and electronic media; application of textbooks, lessons and instructional materials to social and environmental context; exploration of wants, needs , and interests of learners and those involved in the use of English before developing lessons and instructional materials; analysis and application of theories of language learning and language learning in daily life, and language learner learning assistance; lessons , instructional media and instructional activities development for teaching language skills; and research design for evaluating lessons and English instructional media.

22765   Provision of Learning Experience in English Language   (6 credits)

Course Learning Outcomes

1. Design an instruction by applying concepts, theories, principles of teaching, learning standards for learning area of foreign Languages with the target learners.
2. Develop English learning activities emphasizing communication skills.
3. Describe language learning experience linking classroom English to real-life situations and environments.
4. Use information technology to select media and teaching innovation to enable learners to learn effectively.
5. Select and develop tools to measure and evaluate learner language ability appropriately.
6. Design classroom research that leads to improvement of both learners and an English language instruction system.

Course Description

Application of concepts, theories, instructional principles, learning standards and an English language curriculum, essential content of communication in real-life situations; application of knowledge and understanding of learners, instructional techniques and development of English language learning activities suitable to learners at different ages to actual/virtual situation including development of learning experience linking classroom English to real-life situations and environments; selection of data/information to develop lessons, innovation and technology in English language instruction; and

development of instruments to measure and evaluate learners' abilities in terms of knowledge, understanding, skills and English usage; application of classroom research that leads to improvement of both learners and an English language instruction system.

22770   Foundations and Methodologies of Vocational and   (6 credits)
Occupational Education

Course Learning Outcomes

1. Analyze the natural philosophy, structure, content and content of learners and instructors in Vocational and Occupational Education.
2. Develop learning management courses, vocational training and Occupation that corresponds to changes in society country development plan and the characteristics of learners.
3. Use educational measurement and evaluation process, research process for curriculum development and management learning through vocational education and career.
4. Analyze the guidelines for the use of internship in the workplace.

Course Description

Analyze the natural philosophy, structure, content and content of learners and instructors in Vocational and Occupational Education; develop learning management courses, vocational training and Occupation that corresponds to changes in society country development plan and the characteristics of learners; use educational measurement and evaluation process, research process for curriculum development and management Learning through vocational education and career; analyze the guidelines for the use of internship in the workplace.

22771   Provision of Learning Experiences in   (6 credits)
Vocational and Occupational Education

Course Learning Outcomes

1. Analyze the standard of learning and vocational education and occupation as a basis for designing activities and learning experiences in vocational education and career.
2. Design teaching and learning experiences in vocational education and career.
3. Develop and use educational technology innovations, information technology and a variety of learning resources to manage learning and produce learning materials for use in the provision of vocational and professional learning experiences.

Course Description

Analyze the standard of learning and vocational education and occupation as a basis for designing activities and learning experiences in vocational education and career; design teaching and learning experiences in vocational education and career; develop and use educational technology innovations, information technology and a variety of learning resources to manage learning and produce learning materials for use in the provision of vocational and professional learning experiences.

22772   **Environment, Innovation, Media and Technology for**   **(6 credits)**
              Preschool Children Development

Course Learning Outcomes

1. To explain, analyze, synthesize concepts, principles, and guidelines in provision of environment, innovation, media, and technology for preschool children development.

2. To explain and purpose solutions in provision of environment correlated to cultural context.

3. To explain influential factors to environment and characteristics of good and safety environment for preschool children

4. To explain characteristics of provision of environment and to evaluate provision of appropriate environment.

5. To explain, select, develop, and evaluate innovation, media, and technology for preschool children.

6. To explain, analyze, and synthesis roles of teachers and people involved in promoting, supporting, and using innovation, media, and technology for preschool children development.

Course Description

Concepts, principles, and guidelines in provision of environment for preschool children development, provision of environment for preschool children development, provision of physical environment and atmosphere for preschool children, provision of classroom and outdoor environment, provision of environment correlated to cultural context, influential factors to provision of environment, roles of teachers and people involved with provision of environment, evaluating provision of environment, characteristics of good and safety environment for preschool children.

Concepts of innovation, media, and technology for preschool children development, principles and guidelines on the use of innovation, media, and technology for preschool children development.

27705   **Educational Technology and Communications in Human**   **(6 credits)**
              Resource Development

Course Learning Outcomes

1. To acquire knowledge and understanding of development of human resource, concepts regarding human resource development, and development of educational technology and communications and development of human resource.

2. To acquire knowledge and understanding of application of educational technology and communications and development of human resource by self-development, study, training, knowledge and environment management.

3. To enable students to use educational technology and communications in information technology service center and distance education.

4. To acquire knowledge and understanding of application of Epistemology with development of human resource.

5. To enable students to develop human resource to meet with Thai Folk.

6. To cite an example of application of educational technology and communications to development of human resource.

Course Description

Concepts relating to human resource development, educational technology and communications and human resource development, development of educational technology and communications and human resource development, educational technology and communications and human resource development by self-development, study, training, and environment, human resource development in information society era and learning society, resource center for human resource development, information technology and human resource development, distance education and human resource development, Epistemology and human resource development, human resource development according to Thai Folk, case study in application of educational technology and communications and human resource development.

27706   Instructional Technology and Communications and Training   (6 credits)

Course Learning Outcomes

1. To equip students with knowledge and understanding of concepts of instructional technology and instructional communications.
2. To enable students to apply theories of learning and teaching in actual instruction and training.
3. To equip students with knowledge and understanding of audio-visual media for instruction, mass media for instruction, electronic and telecommunications media for instruction, and learning modules.
4. To enable students to develop instructional media innovations for use in schools or informal or non-formal educational settings.
5. To equip students with knowledge and understanding of concepts of training technology and training communications.
6. To equip students with the knowledge and ability to organize and design training programs using appropriate training methods and media.
7. To enable students to evaluate instructional and training technology and communications.
8. To enable students to be aware of the morals and ethics of educational technology professionals.

Course Description

The course covers concepts of instructional technology and communications and theories of learning and teaching in the contemporary educational system. Students will explore the topics of audio-visual media, mass media, electronic and telecommunications media, learning modules, and instructional media innovations for use in schools and in non-formal and informal education settings. The course also covers concepts of training technology and communication; the design and management of training programs, training methods, the use of communications for training and the use of training centers. Students will learn how to evaluate instructional and training technology and communications and about the professional morals and ethics of professional educational technology personnel.

27708   **Electronic and Tele-communication Media in Education**   **(6 credits)**

Course Learning Outcomes

1. To explain the concept of communication in the digital age of electronic and tele-communications media for education, and tele-communications for education, and types of electronic communication for education.

2. To enable students to create electronic and tele-communications media for education.

3. To explain the concept of electronic and tele-communications media for education, and applied in the context of formal education, Non-formal education, training programs and lifelong learning.

Course Description

Communication in the digital age and education; communications for electronic and tele-communications media for education; educational television; educational radio broadcasting; educational radio and television; social media and social network for education; virtual reality for education; application for education; satellite for education; application of electronic and tele-communication media for education; and the uses of electronic and tele-communications media for in the context of formal education, Non-formal education, training programs and lifelong learning.

Last updated: 21-July-2023