

# INSTRUCTIONAL SYS DESIGN (ISD) (ISD)

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## ISD 301 Trends & Issues in IDPI-W 3 cr

This is an introductory course that provides an overview of current trends, technology and issues in instructional design and performance improvement.

**Prerequisite:** EH 101 Minimum Grade of C and EH 102 Minimum Grade of C

## ISD 310 Instructional Design 3 cr

Instructional Design is a project-based course that includes step-by-step strategies to create instruction using the design models, instructional strategies, and technology applications. Students will explore the processes of analysis, design, development, implementation, and evaluation in order to apply real-world training solutions to actual instructional problems.

## ISD 320 Training Interventions 3 cr

This course will provide students with experience in designing and developing facilitator-lead training interventions focused on improving performance in various contexts. Students will interact with a client in a professional manner and create a professional training session incorporating motivational strategies, instructional delivery methods, and appropriate assessment measures from initial contact needs assessment to final session evaluations.

## ISD 340 Analysis, Assessment & Eval 3 cr

Students will learn how to make assessments of human attitudes, knowledge, and performance, analyze empirical data, and evaluate training and human performance programs.

## ISD 350 Emerg Learning Technologies 3 cr

This course provides students with the skills and knowledge necessary to develop technology-based modules using different delivery methods for application in non-instructional and instructional training solutions.

**Prerequisite:** ISD 310 Minimum Grade of C

## ISD 360 Communication Skills in Org 3 cr

This course is designed to utilize theory and practice of communication in the processes of analysis, design, development, implementation and evaluation of instruction. Communication skills will be developed and applied in a practical setting.

## ISD 370 Distance and Mobile Learning 3 cr

This course will identify and utilize innovative technologies related to distance and mobile learning in various job sectors and learning environments.

**Prerequisite:** ISD 310 Minimum Grade of C

## ISD 400 Portfolio Development 1 cr

Students will create an online portfolio to showcase projects, assignments, and collaborations related to instructional design and performance improvement.

**Prerequisite:** ISD 310 Minimum Grade of C

## ISD 410 Org/Coordination Training 3 cr

This course is designed to develop knowledge and competencies in the coordination of large-scale, comprehensive training programs.

**Prerequisite:** ISD 320 Minimum Grade of C and ISD 340 Minimum Grade of C

## ISD 420 Cultural Factors in IDD & HPI 3 cr

This course will focus on the interaction of multicultural aspects of learning and teaching. Students will enhance their cognitive and affective awareness and understanding, as well as their personal acceptance of differences associated with the learning/teaching process. The ultimate goal is to prepare multiculturally competent designers of instruction for a global society.

## ISD 430 Psych of Learning in Organ-W 3 cr

The course covers major theoretical perspectives in organizational psychology based on empirical research and case studies. Students will explore learning theory, group dynamics, and change in different types of learning organizations.

## ISD 440 Human Develop. Interventions 3 cr

Students will learn and apply various human development theories and interpersonal skills related to the effective design of training interventions to improve learning and performance. A special area of emphasis will focus on students' own development experiences.

## ISD 450 Human Performance Tech 3 cr

This course includes conducting various types of analysis in order to solve human performance problems by design on non-instructional interventions.

**Prerequisite:** ISD 340 Minimum Grade of C

## ISD 480 Learn Train & Perf Project 3 cr

Students will complete a supervised field project on a topic related to instructional design and/or performance improvement.

## ISD 490 Special Topics 3 cr

This course will allow faculty to work with students to explore current topics related to instructional design and performance improvement. Scholarly articles and current trends will be the basis for the designated learning outcome and end product.

**Prerequisite:** ISD 310 Minimum Grade of C and ISD 350 Minimum Grade of C and ISD 360 Minimum Grade of C

## ISD 495 Internship 3 cr

The internship is a supervised learning experience in an actual or similar setting in which instructional design or performance improvement related professionals are employed.

**Prerequisite:** EH 102 Minimum Grade of C

## ISD 581 Digital Media Tools 3 cr

This course helps students learn to use computers to design instruction.

## ISD 582 Evaluation of Digital Media 3 cr

An advanced course in the development, use and evaluation of multimedia instruction.

## ISD 583 Interactive Video 3 cr

This course involves digital editing and includes basic instruction in shooting, lighting and composing video sequences.

## ISD 584 Animation 3 cr

An introductory course that provides students with an opportunity to acquire the skills necessary to develop animated interactive modules for use in instruction.

## ISD 585 Integr Tech in Teaching 3 cr

The purpose of this course is to enable students with some technology background in computers to focus the use of a variety of technologies onto a specific content area of instruction. Students will demonstrate cognitive competency of curriculum integration, instructional design, and production techniques. Specific attention will be given to videodisc technology, AV and computer technology.

**ISD 590 Sp Top - 3 cr**

Topics of contemporary interest in the area of Educational Media will be presented, discussed and investigated.

**ISD 594 Dir St and Research 1-3 cr**

Students explore problems and issues of special interest or significance in Instructional Design and Development. Not more than three semester hours may be accepted toward degree programs

**ISD 595 Internship - Masters 1-6 cr**

The internship is a supervised learning experience in an actual or similar setting to that in which instructional designers or media administrators are employed

**ISD 598 Research and Dev Project 1-6 cr**

A supervised field project, study or investigation on a topic related to Instructional Design and Development. Students will conduct an investigation which applies skills learned during the Instructional Design and Development Masters program.

**ISD 599 Thesis 1-3 cr**

A student selects a project, study or investigation related to the area of specialization in Instructional Design and Development. The project forms a basis for the thesis. A thesis committee provides direction during the investigation and during the writing of the thesis.

**ISD 600 Learning Tools 1 cr**

This one-credit-hour course is designed to introduce students to some of the basic media tools that will help them with their coursework and in the work place. The course will typically be a series of two-hour class periods scheduled at somewhat regular intervals.

**ISD 601 Sem Instruct Design-Dev 3 cr**

Discussion and investigation of particular topics related to Instructional Design and Development.

**ISD 602 Writing For Instruction 3 cr**

Course serves as an overview and review of essential written communication skills needed by instructional design professionals.

**ISD 610 Trends and Issues in IDD 3 cr**

Discussion and investigation of history, current trends, and issues in instructional design and their implications for education and training.

**ISD 611 Macro Lvl Trning & Perform Sys 3 cr**

Course provides an overview of concepts and current issues related to the design and development of training and performance systems at the macro-level. Rather than focusing on specific, small-scale instructional or non-instructional interventions, students in this course will study learning and performance from a broad organizational perspective.

**Prerequisite:** ISD 621 Minimum Grade of B and ISD 641 Minimum Grade of B

**ISD 612 Alternate Instructional Models 3 cr**

A comprehensive course detailing conventional and alternative instructional-design models. It is intended for advanced IDD students to further develop their skills and knowledge about ID models and to formulate their own epistemological beliefs as to how ID should occur.

**Prerequisite:** ISD 622 Minimum Grade of B

**ISD 613 Instructional Strategies 3 cr**

In this course, students explore the use of an assortment of instructional strategies to meet diverse learning needs.

**ISD 614 Human Cognition for IDD 3 cr**

A survey course of the cognitive science literature that is especially relevant for instructional designers and human performance technologists. The course covers major theoretical perspectives in cognitive science and has students read original empirical research. The goal is to enable IDD students to utilize the cognitive science literature in their careers.

**Prerequisite:** EPY 502 Minimum Grade of B

**ISD 620 Research in Instr Tech 3 cr**

Students collaborate with a graduate faculty member who is conducting research in the area of instructional design and development. May be repeated for credit.

**ISD 621 Instructional Design 3 cr**

Introductory course that focuses on a recognized model of instructional design. Includes emphasis on instructional analysis, instructional objectives, performance assessment, instructional strategies and sequences, and formative evaluation.

**ISD 622 Adv Instructional Design 3 cr**

Application of advanced instructional design models and procedures for needs assessment, instructional development, and evaluation in various instructional and learning environments using current learning tools.

**Prerequisite:** ISD 621 Minimum Grade of B

**ISD 623 Adv Research Methodology 3 cr**

A comprehensive course detailing advanced research methods and research. This course is specifically geared toward advanced IDD students who wish to develop the skills to properly design, propose, carry out, and critique scholarly research. The course covers the specifics of advanced research design and methods through a thorough analysis of empirical research. The goal is to equip IDD students with the research design skills to become successful scholars and researchers in their field.

**Prerequisite:** IDE 510 Minimum Grade of B or IDE 620 Minimum Grade of B

**ISD 640 Needs Assessment 3 cr**

The course focus is on conceptualization of needs analysis related to instructional and performance improvement issues in selected settings. Students collaboratively apply a needs assessment model to determine needs, causes, and solutions and report findings and recommendations.

**ISD 641 Performance Systems Tech 3 cr**

This course provides students with practical methods of analyzing and solving human performance problems. Emphasis is placed on development of both non-instructional and instructional interventions.

**ISD 642 Project Coordination 3 cr**

This course will develop knowledge and competencies in the coordination of large instructional projects. It is designed to enhance skills in the basic functions of instructional project coordination: planning, organizing, controlling, and directing.

**ISD 650 Computer-Based Training 3 cr**

A course for persons interested in the use of the computer to present instructional materials to students. Current learning theory as it pertains to authoring will be discussed.

**ISD 651 Learning Theory and Technology 3 cr**

This course will present techniques for the integration of instructional design theory and practice into the newer delivery systems including those using video and digitized media.

**ISD 652 Technology-Based Instruction 3 cr**

This course is a continuation of ISD 651. It concentrates on the additional skills and software necessary to develop and produce an original interactive instructional product.

**ISD 653 Developing Online Instruction 3 cr**

Developing online instruction using course management tools, multi-media technologies, and instructional design principles.

**Prerequisite:** ISD 621 Minimum Grade of B

**Cross-Listed:** IDE 640

**ISD 655 Print and Screen Courseware 3 cr**

Designing, producing and applying print and screen courseware. An analysis of graphic and instructional design principles and technologies, alternatives to conventional prose, learned capabilities, readability, formulate, and resource constraint analysis. Students design, develop, and apply print and screen courseware in instructional modules.

**ISD 656 Training Interventions 3 cr**

Practical experience in designing and implementing facilitator-led training in various large-scale organizations.

**ISD 657 Teaching in Higher Education 3 cr**

Theory and practice of pedagogy in higher education. Principles of the analysis, design, development, implementation, and evaluation of instruction will be addressed and then applied in a practical setting with a mentor instructor.

**ISD 680 Emerging Technologies 3 cr**

Course introduces students to emerging technological breakthroughs in education and training settings especially emphasizing the effects of future technologies.

**ISD 682 Impact Emerging Technologies 3 cr**

This course examines the impact of new digital technologies in education and training and prepares educators to use digital approaches in their institution.

**ISD 694 Dir St and Research - 3 cr**

Students explore problems and issues of special interest or significance in Instructional Design. Not more than three semester hours may be accepted toward degree program.

**ISD 695 Internship - Doctoral 1-6 cr**

The internship is a supervised learning experience in an actual or similar setting to that which instructional designers or media administrators are employed.