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### Course Detail

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#### IST 331 - Foundations of Human-Centered Design

##### Course Detail

<b>Career</b>	Undergraduate
<b>Units</b>	3.00
<b>Grading Basis</b>	Graded
<b>Course Components</b>	Lecture                  Required
<b>Campus</b>	University Park
<b>Academic Group</b>	Information Sciences and Tech
<b>Academic Organization</b>	UPIS Info Sciences & Tech

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##### Enrollment Information

<b>Typically Offered</b>	Fall & Spring
<b>Enrollment Requirement</b>	Enforced Prerequisite: C or better in IST 240 or IST 242

##### Description

Interdisciplinary survey of topics and methods related to the human-centered design use and usability of information systems.

IST 331 Foundations of Human-Centered Design: User and System Principles (3) This course provides a focused introduction to one of the most complicated parts of information systems design: users and the contexts in which they live, work, and play. The course provides a balance between theory and practice, which are tightly intertwined in this area. Students will

learn how to use social science theories about human capabilities and group behavior to predict whether an information system will be usable and useful, and they will learn about the opportunities and challenges that are associated with a wide range of emerging technologies. Students will also gain skills in designing and evaluating information systems that meet the needs of a target audience. Because the information technology design space evolves rapidly, much of the technology-related content covered in this course will evolve from year to year; however the focus throughout will be understanding and responding to the needs, capabilities and preferences of the users of interactive information systems. The format of the class may include lectures, readings, in-class or online discussions, projects, or case studies. Assessment of student performance may include short assignments, quizzes, exams, or in-depth projects.

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