

INFO 4880 - Information Technology Analysis and Design

Fall 2026 Syllabus, Section 01, CRN 41057,

Credit hours: 3

Instructor

James Dittrich

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Public Instructor Information

Instructor Title: Mr.

Instructor Professional Qualifications:

- B.A.S., Computer Information Systems, Youngstown State University, 2004
- M.S. Education (Curriculum & Improvement of Instruction), Youngstown State University, 2007
- Master's of Computing and Information Systems, Youngstown State University, 2012

Instructor Office Location: Tod Hall 135 (University Relations)

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Course Description

4880. Information Technology Analysis and Design. Information systems integration and modeling. Analysis of dynamic information flow, functional requirements, and system design in theory and practice. Prereq.: CSIS 3722 and either CSIS 3723 or CSIS 3782. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Modern Systems Analysis & Design (10th Edition)	Joseph S. Valacich	9780138180072
Required	The Design of Everyday Things: Revised and Expanded Edition (2013)	Don Norman	9780465050659

The YSU Bookstore provides the Valacich text as a digital rental.

If you prefer a new or used physical hard copy that you will *own indefinitely*, you can search this ISBN number at any bookseller.

O'Reilly Learning (formerly Safari Bookshelf) provides the audiobook version of the Norman book if you are an auditory learner (<https://learning.oreilly.com/videos/the-design-of/9781452624129/>), but this is the #1 book about User Experience Design by the founder of the Apple UX Lab, and I cannot recommend having a personal physical copy enough.

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Ch. 1 The Systems Development Environment	Syllabus, Review of Concepts, Introduction to Systems Analysis	
8/31	Ch. 2 The Origins of Software	FOSS, The Agile Manifesto	
9/7	Ch. 3 Managing the Information Systems Project	9/7: Labor Day - YSU CLOSED Agile Methodologies: Scrum, XP; Human Factors Analysis	Project 1 assigned



9/14	Ch. 4 Identifying and Selecting Systems Development Projects		
9/21	Ch. 5 Initiating and Planning Systems Development Projects		Project 1 due; Project 2 assigned
9/28	Ch. 6 Determining System Requirements	Accessability Compliance, Government Contracting, Liability	
10/5	Ch. 7 Structuring System Process Requirements		Project 2 due; Project 3 assigned
10/12	Ch. 8 Structuring System Process Requirements		Midterm Exam Wednesday, Oct. 14
10/19	Ch. 9 Designing Databases		
10/26	Ch. 10 Designing Forms and Reports		Project 3 due
11/2	Ch. 11 Designing Interfaces and Dialogues		Project 4 assigned
11/9	Ch. 12 System Implementation and Maintenance	Runbooks 11/11: Veteran's Day - YSU CLOSED	
11/16	The Design of Everyday Things (Norman) preface, Ch. 1	UX Design	
11/23	The Design of Everyday Things (Norman) preface, Ch. 2-3	UX Design	Project 4 due
11/30	The Design of Everyday Things (Norman) Ch 4-5, selected topics	UX Design	
12/7	Final Project Presentations		

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.