



## SYLLABUS

<b>Course Title</b>	Systems Analysis and Design
<b>Course Number</b>	ISM 315
<b>Number of Credits</b>	3 semester credits
<b>Course Dates</b>	8/19/20 - 10/10/20    Wednesday Evenings, Class Start Time 6 PM
<b>Instructor</b>	Steven Millet
<b>Email Address</b>	steven.millet@doane.edu
<b>Office Hours/Availability</b>	I am available before or after class. Email anytime. Immediate response between 10 AM – 12 AM daily, 10 hour delay thereafter
<b>Phone Number</b>	Phone texts can be sent directly to my Doane Email account. Just be sure you include your name and course number.
<b>Textbook Information: (e.g. title, edition, publisher, ISBN)</b>	<b>Required Text:</b> <u>Systems Analysis and Design, 9th Ed.</u> By, Kendall and Kendall, Pearson Prentice Hall, 2013, ISBN 0133023443
<b>Additional Course Materials</b>	Flash (thumb) Drive for saving backups
<b>Course Description</b>	This course applies a student's understanding of the systems development and modification process as outlined by the systems development life cycle. It enables students to evaluate and choose a

	<p>system development methodology. Students demonstrate their mastery of the analysis and design process acquired in this course and earlier courses by analyzing, designing, and constructing a physical system (implemented via either a DBMS or programming language) from a logical design.</p>
<b>Program Outcomes</b>	<p>a. Develop analytical and critical thinking skills to gather and analyze information, to identify and solve problems, to determine potential outcome alternatives, and to make appropriate decisions</p> <p>b. Recognize ethical issues involved in information technology and its management</p> <p>c. Understand information science and technology concepts and processes, their relationships to each other, and their relationships to existing and emerging computing technologies</p> <p>d. Develop the confidence and the skill to learn independently and apply existing and emerging computing technologies and processes</p> <p>e. Develop the confidence and the skill to solve an unknown problem and to efficiently research, learn, and apply a previously unknown topic or skill to a novel problem-solving situation</p>
<b>Course Learning Outcomes/Objectives</b>	<ol style="list-style-type: none"> <li>1. Be familiar with several systems development methodologies.</li> <li>2. Be familiar with the phases that comprise the Systems Development Life Cycle (SDLC).</li> <li>3. Understand the popular systems diagramming techniques available (i.e. DFD, ERD).</li> <li>4. Be familiar with the documented deliverables generated in each phase of the SDLC.</li> <li>5. Understand factors that are evaluated in the systems selection process.</li> <li>6. Understand considerations that are made in the software selection process.</li> <li>7. Be familiar with the proper use of CASE tools in the systems design process.</li> <li>8. Understand the factors involved in the design and implementation of a corporate DBMS.</li> </ol>
<b>Technology Requirements</b>	<p><a href="https://www.doane.edu/faq/minimum-computer-requirements">https://www.doane.edu/faq/minimum-computer-requirements</a></p>

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## Course Schedule

Week or Module	Topic	Content	Assessments Matched to Learning Outcomes	Due Date & Time
1	Introduction to Systems Analysis and Design	Course Overview	Chapters 1-3 Assignment #1 (LO1 &LO2)	Week 2 by 6 p.m.
2	Business Information Systems	Representing Systems	Chapters 4 - 8 Assignment #2 (LO2) Project Overview	Week 3 by 6 p.m.
3	Systems Analysis Systems Selection	Diagramming Systems Systems Proposal	Assignment #3 (LO3) Exam #1 (LO5)	Week 5 by 6 p.m.
4	Detailed Systems Design	Inputs, Outputs and Processes	Assignment #4 (LO3)	Week 6 by 6 p.m.
5	Detailed Systems Design (cont.)	Database, Controls and Architecture	Assignment #5 (LO3)	Week 7 by 6 p.m.
6	Systems Implementation	Building, Testing and Conversion	No Assignment	
7	Systems Implementation (cont.)		Exam #2	Week 8 by 6 p.m
8	Project Discussion	Student Presentations		

## Grading Assessments

Type of Assessment	Assignments	Grade Percentage
Weekly homework assignments (Labs)	5	20%
Exams	2	35%
Project Presentation	1	15%
Class Participation	Weekly	10%

## Grade Scale

A+ = 95%-100%   A = 90%-94%   B+ = 85%-89%   B = 80%-84%   C+ = 75%-79%   C = 70%-74%  
D+ = 65%-69%   D = 60%-64%   F = 59% or below

<b>Participation Policy</b>	A student is expected to be prompt and regularly attend on-ground classes in their entirety. Regular engagement is expected for online courses. Participation in class discussions is an integral part of your grade.
<b>Study Time</b>	Expectation of the amount of time the course requires students to spend preparing and completing assignments. Typically, students could expect to spend approximately 12 hours a week preparing for and actively participating in this 8-week 3 credit hour course. This actual time for study varies depending on students' backgrounds.
<b>Late Work</b>	Late work will be accepted, if for an excused reason with no reduction in grade.

<b>Submitting Assignments</b>	Assignments submitted during class time.
<b>Communication Policy including Assignment Feedback</b>	Emails will be responded to by the end of the day M - F. Assignments will be returned the week following their due date. Assignments will be returned or assignment grade available one week after they are submitted for grading.
<b>Academic Integrity Policy</b>	<p>Doane University expects and requires all its students to act with honesty and integrity and respect the rights of others in carrying out all academic assignments. Academic dishonesty, the act of knowingly and willingly attempting or assisting others to gain academic success by dishonest means, is defined in four categories:</p> <ol style="list-style-type: none"> <li>1. Cheating - "Intentionally using or attempting to use unauthorized information or study aids in an academic exercise."</li> <li>2. Fabrication - "Intentional and unauthorized falsification of invention or any information or citation in an academic exercise."</li> <li>3. Facilitating Academic Dishonesty - "Intentionally or knowingly helping or attempting to help another to commit an act of dishonesty," and/or coercing others to do the same.</li> <li>4. Plagiarism - "Intentionally or knowingly representing the words or ideas of another as one's own in any academic exercise," in both oral and written projects.</li> </ol> <p>Gehring, D., Nuss, E.M., &amp; Pavela, G. (1986). Issues and perspectives on academic integrity. Columbus, OH: National Association of Student Personnel Administrators</p> <p>For more information on the sanctions for academic dishonesty, please visit the website:  <a href="https://catalog.doane.edu/content.php?catoid=16&amp;navoid=1333">https://catalog.doane.edu/content.php?catoid=16&amp;navoid=1333</a></p>
<b>Academic Support</b>	<p>Please contact <a href="mailto:academicsupport@doane.edu">academicsupport@doane.edu</a></p> <p><a href="https://www.doane.edu/graduate-and-adult/academic-support">https://www.doane.edu/graduate-and-adult/academic-support</a></p>

<b>Disability Services</b>	<a href="https://www.doane.edu/disability-services">https://www.doane.edu/disability-services</a> Doane University supports reasonable accommodations to allow participation by individuals with disabilities. Any request for accommodation must be initiated by the student as soon as possible. Each student receiving accommodations is responsible for his or her educational and personal needs while enrolled at Doane University.
<b>Military Services</b>	<a href="https://www.doane.edu/graduate-and-adult/military">https://www.doane.edu/graduate-and-adult/military</a>
<b>Anti-Harassment Policy</b>	<a href="http://catalog.doane.edu/content.php?catoid=5&amp;navoid=452">http://catalog.doane.edu/content.php?catoid=5&amp;navoid=452</a>
<b>Grade Appeal Process</b>	<a href="http://catalog.doane.edu/content.php?catoid=5&amp;navoid=238">http://catalog.doane.edu/content.php?catoid=5&amp;navoid=238</a>
<b>Credit Hour Definition</b>	Doane University follows the federal guideline defining a credit hour as one hour (50 minutes) of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks (one semester), or the equivalent amount of work over a different time period (e.g., an 8-week term). This definition applies to courses regardless of delivery format, and thus includes in-person, online, and hybrid courses (combination of in-person and online). It also applies to internship, laboratory, performance, practicum, research, student teaching, and studio courses, among other contexts.
<b>Syllabus Changes</b>	Circumstances may occur which require adjustments to the syllabus. Changes will be made public at the earliest possible time.