

University of North Dakota
Department of Computer Science
CSci363 User Interface Design Fall 2019 In-Class

Lecturer: Emanuel Grant, Upson II room 366M
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Office Hour: Wednesday, and Friday 12:00pm – 1:00pm online (or by appointment)

TA: TBD
Email:
Office Hours: TBD

Lecture: Leonard room 109, Monday, Wednesday, Friday 1pm – 1:50pm

Credit: 3 credits

Course Text: *Required* – Designing the User Interface *Ben Shneiderman & Catherine Plaisant* 6th ed., ISBN 10: 013438038X

Description: Course will cover a study of the design and implementation of user interfaces for software applications. Students will apply principles of interface design to build applications using a toolkit of graphical interface components. Required course work includes a team project.

Goal: On completion of this course, students will be able to:

- Identify and apply software engineering principles in designing and building models of user interface systems.
- Demonstrate knowledge of software engineering principles.
- Demonstrate knowledge of requirements engineering principles.
- Document software design activities.
- Apply GUI testing techniques.
- Participate in team project development.

Grading:

Team project	20%
Project demonstration	10%
Model/Program assignments	20%
In-class assignments	10%
Midterm exam	20%
Final Exam	20%

Date:

Team project: Assigned: Friday 09/13/19 Due: Wednesday 12/11/19 by 4:00pm.
Progress report: 10/11/19, 11/08/19.
Mid-term exam: Friday October 18, 2019 in class
Final exam: Monday, December 16, 2019 1pm – 3pm
Project presentation: 12/02/19, 12/04/19, 12/06/19, 12/09/19, 12/11/19
Recorded lecture: TBD.

***** Dates are subject to change *****

ALL COURSE MATERIAL WILL BE POSTED ON BLACKBOARD

Late Assignment: Assignments may be submitted up to three school days late. Such late assignments will incur a penalty of 10% off, for each late day. No assignments will be accepted that is more than three (3) school days late, but may be considered for points if a valid written excuse is provided. If a test or assignment submission will be

missed then the student should notify the instructor before the date of the test or assignment submission date to obtain alternative arrangements. A missed in-class assignment may be re-assigned if a valid excuse is provided.

Email Protocol: All email communications from the instructor and TA will be sent to your official UND email address. All emails to the instructor or TA, must be sent from the student's official UND email address and must include the prefix phrase "**CSci363 In-Class**" in the Subject field.

Team Project: The class will be divided into teams of two to three students each. The teams will operate as independent entities, with the purpose of developing a team project within the specified timeframe. The teams will each have a team-leader, who will be responsible for submitting deliverables for the team. Team members will select a name for their team. Teams will be randomly selected by the instructor. Each team will submit a 8 – 10 page, double space, 11pt Arial or Times Roman font Project Report of their Team Project. The required final format of the report will be given in a class lecture. Term reports will be graded as follows:

Writing Rubric
Scale I: Organization/Format 85 - 100 Organizes material in a required clear, appropriate, and precise manner. 70 - 84 Organizes material in an appropriate manner, but may lack some clarity or consistency. Presents basic information but may have extraneous material. 50 - 69 Little evidence of a cohesive plan. Little or no description or detail. Ideas seem scrambled, jumbled, or disconnected.
Scale II: Content 85 - 100 Material content is clear, relevant, accurate, and concise. 70 - 84 Material is appropriate, but may lack a clear connection to the purpose. 50 - 69 Little evidence of appropriate content.
Scale III: Writing Conventions 85 - 100 Enhances the readability of the paper. 70 - 84 Minor errors are present, but they do not detract from the readability of the paper. 50 - 69 Little or no evidence of correct writing. Poor conventions seriously limit the paper's readability.
Scale IV: Research and Interpret Data/Information 85 - 100 Correct interpretation of data or information. Analysis and conclusion are based on research. 70 - 84 Correctly interpret data or information, but analysis or conclusion may not be supported by research. 50 - 69 Incorrectly interprets data or information with little or no analysis or conclusion. Little or no evidence of research presented.
Scale V: Appropriate Vocabulary 85 - 100 Articulates appropriate vocabulary and terms associated with the subject matter. 70 - 84 Some inappropriate vocabulary present or limited use of appropriate vocabulary. 50 - 69 Inappropriate vocabulary and use occurs.

Project Progress Report: Each project team is required to submit progress reports of the work being done on the team project. The project progress reports will document: (1) what has been accomplished since the last report; (2) planned tasks for the next progress report; and (3) problems encountered and solutions implemented.

Midterm Exam: The mid-term exam will be based on all material covered up to and including the lecture before the mid-term exam, and will be for the full lecture session of 50 minutes. The session immediately before the mid-term exam will be used as a review session, and students are expected to pose questions on topics with which they have difficulty.

Project Demonstration: Each project team will make an in-class presentation of their project. The presentation should be in the form of a MS Power Point type presentation of the work done in building the application, and a demonstration of the application. The time limit for each presentation will be 15 minutes. All members of each team are expected to participate in their team's presentation.

Model/Program Assignments: The class will be given a series of modeling and programming assignments. These assignments are intended to document the students' comprehension of selected topics.

In-Class Assignment: There will be a number of unannounced in-class assignments. There will be no makeup assignments for these in-class assignments, unless prior approval was given for being absent from the session in which the in-class assignment was given.

Final Exam: The final exam will be based on all material covered up to and including the lecture before the project presentations. The session immediately before the project presentations will be used as a review session, and students are expected to pose questions on topics with which they have difficulty.

Guest lecture: TBA

Assessment Rubric

Presentations will be graded as follows:

Presentation Rubric
Scale I: Vocal Expression Vocal expression refers to the distinctness of the articulation and pronunciation of words. This refers to the voice rather than to meaning. The rating is an evaluation of the clearness of the expression, not the understandability of the meaning of the word being used. 85 – 100 Clear throughout 70 – 84 Generally clear 50 – 69 Poor articulation
Scale II: Physical Expression Physical expression refers to the degree to which the speaker maintains eye contact with the listeners. One extreme is represented by the person who either avoids eye contact altogether, the other by the person who seems to be staring constantly at you. The ideal is represented by the person who attracts the listener's attention and interest through use of the eyes without making the listener uncomfortable. 85 – 100 Involves audience with eye contact 70 – 84 Some eye contact 50 – 69 Avoids eye contact
Scale III: Organization Organization refers to the sequencing of main points within the message. No order would be extremely confusing to listeners, while effective order helps them both to follow and to anticipate ideas. 85 – 100 Effective order 70 – 84 Some order 50 – 69 No order
Scale IV: Support and Elaboration Support and elaboration refer to the way the speaker works with each idea. Does the speaker provide proof, data, and evidence? Are illustrations, examples, etc., sufficient to support and clarify the ideas and their relevance to the social implication of the subject/topic? 85 – 100 Reasoning clear and effective 70 – 84 Reasoning clear 50 – 69 Reasoning unclear

Notice of Nondiscrimination

It is the policy of the University of North Dakota that no person shall be discriminated against because of race, religion, age, color, gender, disability, national origin, creed, sexual orientation, gender identity, genetic information, marital status, veteran's status, or political belief or affiliation and the equal opportunity and access to facilities shall be available to all. Concerns regarding Title IX, Title VI, Title VII, ADA, and Section 504 may be addressed to Donna Smith, Director of Equal Employment Opportunity/Affirmative Action and Title IX Coordinator, 401 Twamley Hall, 701.777.4171, und.affirmativeactionoffice@UND.edu or the Office for Civil Rights, U.S. Dept. of Education, 500 West Madison, Suite 1475, Chicago, IL 60611 or any other federal agency.

Disability Statement

If you need accommodation in this course because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment

with me as soon as possible. If you plan to request disability accommodations, you are expected to register with the Disability Services for Students (DSS) office (190 McCannel Hall, 777.3425 v/tty).

Academic Honesty

All students are subject to the UND Code of Student Life, including but not limited to, issues of Scholastic Dishonesty.

Please make use of the office hours – There is no dumb question if you do not understand.

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