

## INSTRUCTOR & COURSE INFORMATION

This syllabus describes the requirements and procedures for In-Class CSci363 User Interface Design course. You are responsible for knowing this material, so please read carefully. Any changes will be announced via Blackboard Announcement. You will be responsible for any changes. Your continued enrollment in this course is your implicit agreement to abide by the requirements of this class.

### Professor / Instructor Contact Information

Name: Emanuel S. Grant

Phone: 701.777.4133

Email: [emanuel.grant@und.edu](mailto:emanuel.grant@und.edu)

Office Location: Upson II Room 366M

Office Hours: Thursday 10am – 11am CST in-person, or online, or by appointment

<https://und.zoom.us/j/97225977384?pwd=WUtSMDEwVHVwZG9NRUxGYlBeFVMZz09>

Meeting ID: 972 2597 7384

Passcode: 481742

Lecture Time: MWF 1:25am – 2:15pm:

<https://und.zoom.us/j/94559518775?pwd=b2LCHs20414B7kSgVv8xFBARghXHAK.1>

Meeting ID: 945 5951 8775

Passcode: 823784

**Attendance is optional and is offered as a courtesy to those who may want to join the live sessions.**

### About the Professor

Emanuel S. Grant received a B.Sc. from the University of the West Indies, MCS from Florida Atlantic University, and a Ph.D. from Colorado State University, all in Computer Science. Since 2008, he is an Associate Professor in the School of Electrical Engineering and Computer Science (SEECs) at the University of North Dakota, USA, where he started as an Assistant Professor in 2002 with the Department of Computer Science. His research interests are in software development methodologies, formal specification techniques, domain-specific modeling languages, model-driven software development, and software engineering education.

### Course Description & Objectives

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 coursework includes a team project. Prerequisites: CSCI 280 with a grade of C or better.

After successfully completing this course, you should be able to:

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

### Materials – Text, Readings, Supplementary Readings

Designing the User Interface Ben Shneiderman & Catherine Plaisant 6th ed., ISBN 10: 013438038X

## Technical Requirements/Assistance

You will use Microsoft Word, Microsoft Power Point, Microsoft Visual Studio, and Blackboard and Zoom, to complete assignments. Students are expected to use their official UND email in the course. Visit the [Office 365 Email webpage](#) for information on your UND email and how to download/install a free version of Microsoft Office. For technical assistance, please contact UND Technical Support at 701.777.2222. Visit the [University Information Technologies \(UIT\) website](#) for their hours, help documents and other resources.

## Minimum Technical Skills Needed:

In order to succeed in this course, at a minimum, you should be able to:

- Navigate in and use basic Blackboard functions
- Download and open electronic documents
- Create, save, and upload/attach electronic documents
- Send, receive, and manage email
- Video record and upload presentations of course topics
- Work with computer aided software engineering (CASE) tools

## Course Logistics

### ***Access and Log in Information***

This course was developed and will be facilitated utilizing Blackboard. To get started with the course, please go to: <http://blackboard.UND.edu> and log in with your NDUS.Identifier, Username and Password. If you do not know your NDUS Identifier or have forgotten your password, please visit [Your NDUS Account page](#) on the UIT website.

## Course Overview

The course content is organized into a full fall or spring semester. Each week contains a purpose, learning outcomes, and a variety of links to articles, video/audio files, and other instructional resources selected to enhance the learning experience and support the various topics. Discussions, blogs, wikis, surveys, quizzes, tests, presentations, and assignments will be used to assess your comprehension and application of those materials.

### ***How Students Should Proceed Each Week for Class Activities***

On the left side course menu in Blackboard there is a "Lessons" tab. Inside Lessons you will find all the required readings, videos, and assignments/activities for the week.

## Resources

Many services are available to online students such as writing assistance from the UND Writing Center, free online tutoring from Smarthinking, and more. Visit the [Student Resources page](#) for more information. Students also have access to the UND Student Resource Site via Blackboard. It is recommended that you become familiar with the tools and tutorials within the site to better equip you in navigating the course.

## Course Requirements/Expectations

1. The student will review the syllabus and course schedule posted in Blackboard.
2. The student will access and follow all course instructions found in the weekly area of the Blackboard course.
3. The student will attend all class sessions in person or join the live sessions in Blackboard Collaborate Ultra., or Zoom.
4. The student will complete and submit assignments, exams, quizzes, etc. by the dated noted in

Blackboard. **Central Standard Time is used for due dates and times.**

5. The student will participate fully and in a timely manner to get the benefit of learning from instructor and/or peers.

## Communication

### ***Announcements***

Announcements will be posted in Blackboard and sent via UND email on a regular basis. Be sure to check the class announcements and your official UND email regularly as they will contain important information about class assignments and other class matters.

### ***Email***

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

### ***Discussion Forums, Blogs, & Wikis***

The course discussion forum and Wiki are to be used for course matters only that relates to the entire class. If there are matters of individual interest then this should be communicated to the instructor or TA via email, during office hours, or by appointment.

## Netiquette

When participating in an online environment it is important to interact with your peers in an appropriate manner. Always use appropriate language in your postings and emails. Please be respectful of your classmates at all times even if you disagree with their ideas.

## Assessment & Grading

This course is made up of a series of assignments and assessments to assist you in achieving the course learning objectives/outcomes.

### ***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 a take home exam. The session in which the mid-term exam is assigned, will be used as a review session, and students are expected to pose questions on topics with which they have difficulty. The exam will be assigned on **Wednesday October 9, 2024** at the end of the class session and is due on **Friday October 11, 2024 at end of day**.

### ***Course Assignments***

On completing the topics of each chapter of the class text book an assignment will be given. This assignment will test your comprehension of the topics covered in the respective chapters, and will be due one week after being assigned.

### ***Final Exam***

The final examination will be in the form of a project presentation. Each project team will make an in-class demonstration of their project. The time limit for each demonstration will be 15 minutes. All members of each team are expected to participate in their team's presentation. 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.

### 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. Students will self-form teams with a deadline of **Wednesday September 11, 2024**, after that date teams will be randomly selected by the instructor. Each team will submit an 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
<b>Scale I: Organization/Format</b> <b>85 - 100</b> Organizes material in a required clear, appropriate, and precise manner. <b>70 - 84</b> Organizes material in an appropriate manner, but may lack some clarity or consistency. Presents basic information but may have extraneous material. <b>50 - 69</b> Little evidence of a cohesive plan. Little or no description or detail. Ideas seem scrambled, jumbled, or disconnected.
<b>Scale II: Content</b> <b>85 - 100</b> Material content is clear, relevant, accurate, and concise. <b>70 - 84</b> Material is appropriate, but may lack a clear connection to the purpose. <b>50 - 69</b> Little evidence of appropriate content.
<b>Scale III: Writing Conventions</b> <b>85 - 100</b> Enhances the readability of the paper. <b>70 - 84</b> Minor errors are present, but they do not detract from the readability of the paper. <b>50 - 69</b> Little or no evidence of correct writing. Poor conventions seriously limit the paper's readability.
<b>Scale IV: Research and Interpret Data/Information</b> <b>85 - 100</b> Correct interpretation of data or information. Analysis and conclusion are based on research. <b>70 - 84</b> Correctly interpret data or information, but analysis or conclusion may not be supported by research. <b>50 - 69</b> Incorrectly interprets data or information with little or no analysis or conclusion. Little or no evidence of research presented.
<b>Scale V: Appropriate Vocabulary</b> <b>85 - 100</b> Articulates appropriate vocabulary and terms associated with the subject matter. <b>70 - 84</b> Some inappropriate vocabulary present or limited use of appropriate vocabulary. <b>50 - 69</b> 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.

### Project Presentation

Each project team will make a Blackboard Collaborate Ultra 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. Term reports 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

### 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.

### Grading Breakdown

Grading Scale		Breakdown of Weighted Totals	
A	90% to 100%	Mid-term exam	20%
B	80% to 89%	Assignments	20%
C	70% to 79%	Project presentation	20%
D	60% to 69%	Project Report	20%
F	less than or equal to 59%	Progress reports	15%
I	Incomplete	<a href="#">Class evaluation (SEFI)</a>	<a href="#">05%</a>

### Course Evaluation

Around the middle of the semester, we may complete a formative assessment to see how the course is going. Near the end of the semester, you will be asked to complete an online course evaluation form (SEFI). Your feedback on the course is extremely valuable to improving the course. Your comments are carefully use to improve the course the next time the course is offered.

Please note that the course evaluations are anonymous and the results will not be available to the instructor

until after the grades for the course are submitted, allowing you to provide honest and constructive feedback.

## Course Policies

### ***Assignment Policy***

Due dates for each assignment or activity will be posted in Blackboard with the assignment.

### ***Late Work***

Assignments may be submitted up to three school days late. Such late assignments will incur a penalty of 10% off, for each late school 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 approval.

### ***Instructor Responsibilities and Feedback***

- The instructor or TA will provide feedback on all assignments activities by the end of the following week.
- The instructor will be available during appointed Office Hours to answer questions, provide feedback, and offer advice.

### ***Class Participation***

Students are required to login regularly to the class site. Students are also required to participate in all class activities such as discussion board, blogs, and wikis.

### ***Incomplete***

It is expected that students will complete all requirements for a course during the timeframe of the course. For reasons beyond a student's control, and upon request by the student or on behalf of the student, an incomplete grade may be assigned by the instructor when there is reasonable certainty the student will successfully complete the course without retaking it. The mark "I," Incomplete, will be assigned only to the student who has been in attendance and has done satisfactory work up to a time within four weeks of the close of the semester, including the examination period, and whose work is incomplete for reasons satisfactory to his or her instructor. More information regarding UND's Incomplete policy can be found on [The Grading System webpage](#).

### ***Copyright Notice***

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## UNIVERSITY OF NORTH DAKOTA POLICIES & RESOURCES

### Academic Integrity

Academic integrity is a serious matter, and any deviations from appropriate behavior will be dealt with strongly. At the discretion of the professor, situations of concern may be dealt with as a scholastic matter or a disciplinary matter.

As a scholastic matter, the professor has the discretion to determine appropriate penalties to the student's workload or grade, but the situation may be resolved without involving many individuals. An alternative is to treat the situation as a disciplinary matter, which can result in suspension from the University, or have lesser penalties. Be aware that I view this as a very serious matter, and will have little tolerance of or sympathy for questionable practices. A student who attempts to obtain credit for work that is not their own (whether that be on a paper, quiz, homework assignment, exam, etc.) will likely receive a failing grade for that item of work, and at the professor's discretion, may also receive a failing grade in the course. For more information read the [Code](#)



[of Student Life.](#)

## Access & Opportunity, Disability Support and Medical Services

If you have emergency medical information to share with me, or if you need accommodations in this course because of a disability, please visit with me as soon as possible. My office hours are at the top of this syllabus. If you plan to request disability accommodations, you are expected to [register with the Disability Support Services \(DSS\) office online](#), (180 McCannel Hall, 701.777.3425).

If you have a temporary medical condition such as a broken arm or recovering after surgery, you may be able to arrange for courtesy services. In most cases, it is expected that you will make your own arrangements for these services. Examples of courtesy services include access to a test scribe if the student has a broken hand; lift equipped van transportation when the student has a broken leg or temporary accessible parking for a student using crutches for a short period. If you are unable to make your own arrangements, please contact DSS (777-3425). Unlike services and/or accommodations provided to eligible students with disabilities, the University is NOT obligated to provide courtesy services.

## Resolution of Problems

Should a problem occur, you should speak to your instructor first. If the problem continues to be unresolved, go to the department chair, and next to the college Dean. Should the problem persist, you have the right to go to the Provost next, and then to the President.

## 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](mailto: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.

## Reporting of Sexual Violence

If you or a friend has experienced sexual violence, such as sexual assault, domestic violence, dating violence or stalking, or sex-based harassment, please contact UND's Title IX Coordinator, Donna Smith, for assistance: 701.777.4171; [donna.smith@UND.edu](mailto:donna.smith@UND.edu); or visit the [Title IX webpage](#).

## Faculty Reporting Obligations Regarding Sexual Violence

It is important for students to understand that faculty are required to share with UND's Title IX Coordinator any incidents of sexual violence they become aware of, even if those incidents occurred in the past or are disclosed as part of a class assignment. This does not mean an investigation will occur if the student does not want that, but it does allow UND to provide resources to help the student continue to be successful at UND. If you have been the victim of sexual violence, you can find information about confidential support services on the [Title IX webpage](#).

## UND Cares Program

The [UND Cares program](#) seeks to educate faculty, staff and students on how to recognize warning signs that indicate a student is in distress.

## How to Seek Help When in Distress

We know that while college is a wonderful time for most students, some students may struggle. You may experience students in distress on campus, in your classroom, in your home, and within residence halls. Distressed students may initially seek assistance from faculty, staff members, their parents, and other students. In addition to the support we can provide to each other, there are also professional support services available to students through the Dean of Students and University Counseling Center. Both staffs are available to consult with you about getting help or providing a friend with the help that he or she may need. For more additional information, please visit the [UND Cares program Webpage](#).

### ***How to Recognize When a Student is in Distress***

The term “distressed” can mean any of the following:

- Student has significant changes in eating, sleeping, grooming, spending, or other daily activities.
- Student has cut off or minimized contact with family or friends.
- Student has significant changes in performance or involvement in academics, sports, extracurricular, or social activities.
- Student describes problems (missing class, not remembering, destructive behavior) that result from experiences with drinking or drugs.
- Student is acting withdrawn, volatile, tearful, etc.
- Student is acting out of character or differently than usual.
- Student is talking explicitly about hopelessness or suicide.
- Student has difficulty concentrating or difficulty carrying on normal conversation.
- Student has excessive dependence on others for company or support.
- Student reports feeling out of control of one’s emotions, thoughts, or behaviors.

### ***UND Cares about Your Success***

Important information is available to you through Starfish, which is an online system used to help students be successful. When an instructor observes student behaviors or concerns that may impede academic success, the instructor may raise a flag that notifies the student of the concern and/or refer the student to their academic advisor or UND resource. Please pay attention to these emails and take the recommended actions. They are sent to help you be successful!

Starfish also allows you to (1) schedule appointments with various offices and individuals across campus, (2) request help on a variety of topics, and (3) search and locate information on offices and services at UND.

You can log into Starfish by clicking on Logins on the UND homepage and then selecting Starfish. A link to Starfish is also available in Blackboard once you have signed in.

## **UND Covid-19 Guidelines**

UND is committed to maintaining a safe learning environment while providing quality learning experiences for our students. COVID-19’s continued presence within our UND community may necessitate changes in classroom management as the academic year progresses. As such, UND asks students and instructors to be flexible when necessary to promote a safe environment for learning. Please do not attend an in-person class or lab if you are feeling ill, particularly if you are experiencing symptoms of COVID-19, or if you have been directed by health professionals to quarantine or isolate. If you are not able to attend class or lab, please notify your instructor as soon as possible and discuss options for making up, any missed work in order to ensure your ability to succeed in the course. If you will have an extended absence due to serious illness or other uncontrollable circumstances, you may request an absence notification through the Office of Student Rights and Responsibilities. Similarly, if your instructor is ill they may need to cancel class or temporarily move your course to online delivery to ensure that you are able to complete the course successfully.



Instructors may require students to wear masks in the classroom or in the laboratory as a preventative measure designed to facilitate uninterrupted classroom engagement and to facilitate health and safety in the classroom. If your instructor does require masks in class or in a laboratory, you are expected to comply with that request.

UND also strongly encourages all members of the University community, including students, to get vaccinated, seek out testing when needed, and model positive behavior both on- and off-campus to foster a healthy and safe learning environment for all students. Individuals who would like to discuss disability accommodations regarding masks should contact the Disability Services for Students (DSS) office at 701-777-2664 or [UND.dss@UND.edu](mailto:UND.dss@UND.edu). Individuals who are unable to wear a mask due to a sincerely held religious belief should contact the UND Equal Opportunity and Title IX Office at 701.777.4171 or [UND.EO.TitleIX@UND.edu](mailto:UND.EO.TitleIX@UND.edu).

## Quarantine and Isolation

Please consult these external resources for the latest guidance:

- What to do if You Test Positive for COVID-19
- COVID Isolation Calculator (NDDOH)
- Quarantine and Isolation Information (CDC)

## Other Safety Precautions

- If you are sick, stay home! Speak to your healthcare provider and get tested as recommended.
- Faculty and staff must use regular sick leave or annual leave as needed.
- Plexiglas barriers, improved ventilation systems, extra cleaning protocols and hand sanitization stations are in place across campus.
- UND has a contact tracing team to help prevent virus spread.
- Signage about CDC and mask guidelines is [available for download](#) and posting.
- For more information, visit the [UND COVID-19 website](#).