

# UTK INSC 210 – Foundations of Information Technology

## COURSE INFORMATION

INSC 210 Foundations of Information Technology    Spring 2021    3 Credit Hours  
University of Tennessee, Knoxville  
Course Mode: Online, asynchronous  
Class Meetings: Asynchronous

### Faculty Contact Information

- Rob Anderson
- He, Him, His
- Rander39@vols.utk.edu
- Office in Comm 104
- 865-604-1463
- <http://www.robandersonweb.com/>
- Office Hours: Tuesday and Thursday from 11AM-1PM



### SIS Office Information

- 450 Communications Bldg.
- 1345 Circle Park Drive
- Knoxville, TN 37996-0341
- SIS Office: 865.974.2148
- Fax (SIS): 865.974.4667

### Welcome Statement

Welcome to INSC 210. I look forward to a great (and probably challenging) semester with you. As we were already an online course, not much has changed due to COVID-19 precautions. All class sessions are pre-recorded and may be viewed at your schedule. I would recommend setting a weekly time for watching the lectures and sticking to that through the semester. An online course provides students with flexibility, but it does require discipline and self-reliance on the part of the student. I encourage open communication with me (your instructor) via email or text message, so if you have any questions, feel free to ask. I do my best to get back to you as quickly as possible.

## COURSE INFORMATION

### Catalog Description

- This is a required course for Information Science majors. It provides the student with an overview of the field and its typical applications. The student learns key terminology and components of computer hardware, software, operating systems, systems development methods, management information systems, and using application software and the Internet. Explores computing history, software, web technologies, basic network security, information security, information assurance and future trends in information technology.

Labs are modularly designed to meet specific program needs such as basic UNIX commands and fundamental understanding of programming processes and productivity software skills.

### **Additional Information**

- This course will equip students with the skills and knowledge needed to learn coding. The course will also develop a broad understanding of information technologies.

### **Student Learning Outcomes**

- Students who complete this course will be capable of demonstrating awareness, knowledge, and/or understanding of...
  - The evolution of computing and types of computers;
  - The five building blocks of information systems;
  - Fundamental concepts of information technology;
  - Features related to Unix and server-side and client-side programming; and
  - Web development using HTML, CSS, and XML

### **Course Design**

- This course is offered in a virtual mode using Canvas. The delivery of the course content will include lectures, videos, discussions, live demonstrations, and hands-on training activities.
- Submit assignments on Canvas. Do not email them to the instructor.
- For technical issues, contact the OIT HelpDesk via phone (865) 974-9900 or online at <http://help.utk.edu/>.

### **Required Text(s)**

- All readings will be provided by the instructor.

### **Recommended Text(s)**

- Become familiar with the w3-schools website located at <https://www.w3schools.com/>

## **COMMUNICATION**

### **Email**

- I am required to communicate with you through your UTK email address. If you prefer to use another address, consult the [OIT Helpdesk](#) to obtain directions for forwarding your UTK email to your preferred address if you do not wish to check both accounts.

### **Instructor Availability**

- I am available during office hours and via email or text. To ensure quick response, start your message subject line with INSC 210. I will reply to your email as soon as I can.

## COMPUTING REQUIREMENTS AND RESOURCES

### Requirements

- You must have adequate computing skills, including but not limited to use of word processing, Web browsers, e-mail, listservs, and Canvas software. You must learn how to submit your assignments using Canvas.
- You need to have a high-speed Internet connection to watch the pre-recorded class videos.
- You must obtain a UT email account. In addition, you must have the PowerPoint Reader, or the regular PowerPoint software installed on your computer in order to download the lecture notes from Canvas.

### Course Resources

- The 210 resource page can be found here <http://volweb.utk.edu/~rander39/>

### Technical Support

- The [Office of Information Technology \(OIT\)](#) provides training classes in using varied technologies for students at no charge (advance registration is required).

## COURSE ATTENDANCE AND PARTICIPATION POLICIES

### Learner Expectations

- Be prepared for all classes
- Be respectful of others
- Actively contribute to the learning activities in class
- Abide by the UT Honor Code

### Instructor Expectations

- At UT, it is our collective responsibility to improve the state of teaching and learning. During the semester, you may be requested to assess aspects of this course either during class or at the completion of the class. You are encouraged to respond to these various forms of assessment as a means of continuing to improve the quality of the UT learning experience.

### Key Campus Resources for Students:

- [Center for Career Development](#) (Career counseling and resources; HIRE-A-VOL job search system)
- [Course Catalogs](#) (Listing of academic programs, courses, and policies)
- [Hilltopics](#) (Campus and academic policies, procedures and standards of conduct)
- [OIT HelpDesk](#) (865) 974-9900
- [Schedule of Classes/Timetable](#)
- [Student Health Center](#) (visit the site for a list of services)

- [Student Success Center](#) (Academic support resources)
- [Undergraduate Academic Advising](#) (Advising resources, course requirements, and major guides)
- [University Libraries](#) (Access to library resources, databases, course reserves, and services)

## Attendance and Participation

- The course schedule below lists which class sessions you should complete at your convenience during each week. It is essential that you keep up by attending the sessions in the proper week, so that you can complete assignments and exams as scheduled. Canvas provides statistics about whether or not a student has “attended” a recorded class session, which allows me to “take roll” just as I would in a traditional class.

## Inclement Weather

- The chancellor (or appointed representative) may officially close or suspend selected activities of the university because of extreme weather conditions. When a decision to close is made, it applies to all classes (whether on-campus or online). The information is distributed to the campus community, shared with local media, and posted on the University homepage at <http://utk.edu>.

## ADDITIONAL POLICIES AND POINTS OF INFORMATION

### Disability Services

- Any student who feels they may need an accommodation based on the impact of a disability should contact [Student Disability Services](#) in Dunford Hall at 865-974-6087, or by video relay at 865-622-6566, to coordinate reasonable academic accommodations.

### University Civility Statement

- Civility is genuine respect and regard for others: politeness, consideration, tact, good manners, graciousness, cordiality, affability, amiability and courteousness. Civility enhances academic freedom and integrity, and is a prerequisite to the free exchange of ideas and knowledge in the learning community. Our community consists of students, faculty, staff, alumni, and campus visitors. Community members affect each other’s well-being and have a shared interest in creating and sustaining an environment where all community members and their points of view are valued and respected. Affirming the value of each member of the university community, the campus asks that all its members adhere to the principles of civility and community adopted by the campus. For more information, see the [UT Principles of Civility and Community](#).

### CCI Diversity Statement

- The College of Communication and Information recognizes that a college diverse in its people, curricula, scholarship, research, and creative activities expands opportunities for

intellectual inquiry and engagement, helps students develop critical thinking skills, and prepares students for social and civic responsibilities. All members of the College benefit from diversity and the quality of learning, research, scholarship and creative activities is enhanced by a climate of inclusion, understanding and appreciation of differences and the full range of human experience. As a result, the College is committed to diversity and equal opportunity and it recognizes that it must represent the diversity inherent in American society. The College is acutely aware that diversity and fairness are foundations that unite the College's faculty, staff, students, and the larger communication and information community.

### **Instructor Status as a Title IX Mandatory Reporter**

- University of Tennessee faculty are committed to supporting our students and upholding gender equity laws as outlined by Title IX. Please be aware that if you choose to confide in a faculty member regarding an issue of sexual misconduct, dating violence, or stalking, we are obligated to inform the University's Title IX Coordinator, who can assist you in connecting with all possible resources both on- and off-campus. If you would like to speak with someone confidentially, the Student Counseling Center (865-974-2196) and the Student Health Center (865-974-3135) are both confidential resources. For additional resources and information, visit [titleix.utk.edu](http://titleix.utk.edu).

## **ASSIGNMENTS, ASSESSMENTS, AND EVALUATIONS**

### **Academic Integrity**

- Students should be familiar with the [Hilltopics Student Handbook](#), and comply with all academic policies. This includes the University of Tennessee Honor Statement and the Academic Integrity Policy.
- The Honor Statement reads: *“An essential feature of the University of Tennessee, Knoxville is a commitment to maintaining an atmosphere of intellectual integrity and academic honesty. ‘As a student of the university, I pledge that I will neither knowingly give nor receive any inappropriate assistance in academic work, thus affirming my own personal commitment to honor and integrity.’”* For more information, see the Honor Statement on the Academic Policies and Procedures page of the current [catalog](#) for student and faculty responsibilities.
- The Academic Integrity policy reads: *“Study, preparation and presentation should involve at all times the student’s own work, unless it has been clearly specified that work is to be a team effort. Academic honesty requires that the student present his or her own work in all academic projects, including tests, papers, homework, and class presentation. When incorporating the work of other scholars and writers into a project, the student must accurately cite the source of that work.”* For additional information, see the [Student Code of Conduct](#).

## Plagiarism

- Plagiarism in any of its forms is intolerable, and attention to matters of documentation in all written work is expected and required. Inadvertence, alleged lack of understanding, or avowed ignorance of the various types of plagiarism are not acceptable excuses.

*Specific examples of plagiarism are:*

1. Copying without proper documentation (quotation marks and a citation) written or spoken words, phrases, or sentences from any source.
  2. Summarizing without proper documentation (usually a citation) ideas from another source (unless such information is recognized as common knowledge).
  3. Borrowing facts, statistics, graphs, pictorial representations, or phrases without acknowledging the source (unless such information is recognized as common knowledge).
  4. Collaborating on a graded assignment without the instructor's approval.
  5. Submitting work, either in whole or in part, created by a professional service and used without attribution (e.g., paper, speech, bibliography, or photograph).
- Students who may be unsure of the nature of plagiarism should consult the instructor or a guide for writing research reports. Resources are available through the University Libraries, including a [Citing Sources guide](#).
  - Infractions of academic integrity are penalized according to the severity of the infraction but may include a course grade of "F."

## Assignments

- This table provides a brief summary of assignment by name, due date, point value and percentage of final grade. A brief description of each assignment follows the table.

Assignment	Point Value	Percentage of Final Grade	Due Date
Assignment 1	10	10%	Sept 9
Assignment 2	10	10%	Sept 30
Assignment 3	10	10%	Oct 21
Assignment 4	10	10%	Nov 4
Assignment 5	10	10%	Nov 23
Final Exam	40	40%	Dec 2
Attendance	10	10%	
<b>TOTAL</b>	<b>100</b>	<b>100%</b>	

Assignment 1: History of computers and the internet

Assignment 2: Working with SQL

Assignment 3: Working with UNIX/Terminal Command

Assignment 4: Working with HTML/CSS

Assignment 5: Advancing with HTML/CSS (Box Model)

### Preparing Assignments

- Specific instructions on how to prepare assignments will be given at the time they are assigned.

### Submitting Assignments

- Unless otherwise specified, all assignments should be typed, double-spaced, and in a 12-point font, with reasonable margins. Please include your name, date, course number, and appropriate pagination. Some assignments will require the submission of .html documents. We will cover the creation and submission of these files in the course. Submit the assignments via Canvas, unless instructed to do otherwise.

### Grading Scale

Semester grades will be assigned according to the following scale:

A	93-100	Superior performance (4 quality points)
A-	90-92.99	Intermediate superior performance (3.7 quality points)
B+	88-89.99	Very good performance (3.3 quality points)
B	83-87.99	Good performance (3.0 quality points)
B-	80-82.99	Intermediate good performance (2.7 quality points)
C+	78-79.99	Fair performance (2.3 quality points)
C	73-77.99	Satisfactory performance (2.0 quality points)
C -	70-72.99	Unsatisfactory performance (1.7 quality points)
D+	68-69.99	Unsatisfactory performance (1.3 quality points)
D	63-67.99	Unsatisfactory performance (1.0 quality points)
D -	60-62.99	Unsatisfactory performance (0.7 quality points)
F	0-59.99	Failure performance (0.0 quality points)
S		Satisfactory; only assigned for C or better work when a course is taken on a S/NC grading basis. Carries no point value.
NC		No Credit; indicates failure to complete a course satisfactorily, and is only assigned for C- or worse work when a course is taken on a S/NC grading basis. Carries no point value.
I		Under extraordinary circumstances and at the discretion of the instructor, the grade of I (Incomplete) may be awarded to students who have satisfactorily completed a substantial portion of the course but cannot complete the course for reasons beyond their control. An I carries no quality points. If the I grade is not removed within one

		calendar year or upon graduation, it shall be changed to an F and count as a failure in the computation of the grade point average.
W		Indicates student has officially withdrawn from the course or the university. Carries no point value.

### **Incompletes**

Based on adopted University of Tennessee-Knoxville policy, a grade of *I* (Incomplete) is reserved for emergencies that prevent the student from completing the course on time. Incompletes are granted only under "the most unusual of circumstances" and solely at the discretion of the instructor. Plan your semester's course of study carefully to insure sufficient time to complete the required work. For students who simply "disappear" without contacting the instructor and without completing the required form, an "F" is submitted.

## **COURSE EVALUATION**

You will be invited by email to evaluate the course at the end of the term via TNVoice. Please participate in this valuable process. I also invite your comments throughout the course and read all comments, suggestions, and recommendations.

## **DISCLAIMER**

- **The instructor reserves the right to revise, alter or amend this syllabus as necessary. Students will be notified in writing / email of any such changes.**



## COURSE OUTLINE

Week	Dates	Topic	Deliverables
1	Jan 25	Course Overview	
2	Feb 1	Introduction to computers	
	Feb 3	Communications Networks	
3	Feb 8	Brief history of the internet and WWW Internet Technologies	
	Feb 10	IP Addresses Domains and URLs Hosting and Filenames	
4	Feb 15	Database Management Systems / SQL	
	Feb 17	Information Systems	<b>Assignment 1 Due</b>
5	Feb 22	Programming languages and paradigms	
	Feb 24	Server-side vs. Client-side programming	
6	March 1	UNIX	
	March 3	LINUX	<b>Assignment 2 Due</b>
7	March 8	XML	
	March 10	Domains, URLs Hosting	

<b>8</b>	March 15	Basic HTML Metadata Div and Span Semantic Element	
	March 17	Displaying Text and White Space HTML Entities, Hyperlinks Lists, Tables Misc Tags and DIV and SPAN Attributes	<b>Assignment 3 Due</b>
<b>9</b>	March 22	CSS Basics CSS Placement CSS Stack Order	
	March 24	HTML Colors Contrast Fonts	
<b>10</b>	April 5	Footers & Copyright Webpage Layout	
	April 7	Headers Branding and Logos Position, Z-Index and Display	
<b>11</b>	April 12	Navigation	
	April 14	Borders and Box Shadow Backgrounds	
<b>12</b>	April 19	Validation Text and Text Shadow Image styling	

	April 21	Transitions Transformations Details for Final Project	<b>Assignment 4 Due</b>
<b>13</b>	April 26	JavaScript: Statements, Syntax, Comments, Variables, Operators, Arithmetic	
	April 28	JavaScript: Arithmetic, Data types, Functions, Objects, Events, Arrays, Dates	
<b>14</b>	May 3		
	May 5		<b>Assignment 5 Due</b>
	May 5	<b>Final Exam Due Date</b>	