

# MIST 4620S: Systems Analysis and Design Spring 2022

## Tuesday and Thursday

Section (CRN: 60505): 8:00-9:15 AM (Correll Hall 221)

Section (CRN: 44128): 9:35-10:50 AM (MLC 207)

Section (CRN: 48046): 11:10 AM-12:25 PM (MLC 207)

Section (CRN: 44126): 12:45-2:00 PM (Benson Hall C109)

Section (CRN: 45872): 2:20-3:35 PM (Benson Hall C109)

---

## Instructors

---

### Mr. Ilir Hasko (8:00 am section)

**Office:** 217 Computing Services Building

**Email:** [ihasko@uga.edu](mailto:ihasko@uga.edu) (include 'MIST 4620' <Lastname> in subject) – best way to get in touch with me (**do not use the eLC email to contact me**)

**Office Hours:** Tuesdays & Thursdays 12:00-1:00 pm or by appointment

### Dr. Elena Karahanna (9:35 am and 11:10 am sections)

**Office:** C413 Benson Hall

**Email:** [ekarah@uga.edu](mailto:ekarah@uga.edu) (include 'MIST 4620' <Lastname> in subject) – best way to get in touch with me (**do not use the eLC email to contact me**)

**Office Hours:** Tuesdays & Thursdays 1:00 – 2:00 pm (in-person or via zoom – see eLC for zoom link) or by appointment

### Dr. Terence Saldanha (12:45 pm and 2:20 pm sections)

**Office:** C424 Benson Hall

**Email:** [terence.saldanha@uga.edu](mailto:terence.saldanha@uga.edu) (include 'MIST 4620' <Lastname> in subject) – best way to get in touch with me (**do not use the eLC email to contact me**)

**Office Hours:** Tuesdays 4 pm to 5pm and Thursdays 11 am – 12 pm (in-person or via zoom – see eLC for zoom link), or by appointment

---

## Course Description

---

This course focuses on systems analysis and design with emphasis on the development of business application systems. Methods of system documentation are examined through the use of object-oriented analysis tools and techniques for describing processes, use cases, data models, system objects, input and output designs, and program specifications. The course uses the Agile systems development methodology and additionally covers emerging development practices such as DevOps.

The course should be viewed as the cornerstone upon which all subsequent MIS activities are based. Skills you learn in this class will be applied again and again throughout your college and IS careers. Consequently, you should expect to work hard in this course to develop these skills. This course introduces the concepts and methods of information systems analysis and design, with an emphasis on systems analysis methods and tools.

*A systems analyst shall be responsible for studying the problems and needs set forth by an organization and for determining how people, processes, structures, methods, and computer technology can best accomplish improvements and add value.*

The course focuses on the issues and management techniques involved in the analysis, design, and implementation of information systems. Most businesses expect their systems analysts to be knowledgeable in three general areas:

- *Interpersonal skills:* The systems analyst should be effective in both verbal and written communications, should be able to facilitate meetings, and should be a competent change agent.

- *Information systems*: The systems analyst should be familiar with general IS concepts such as the Systems Development Life Cycle, prototyping, process and data modeling tools and techniques, agile development, and programming.
- *Functional business areas*: The systems analyst should be familiar with one or many of an organization's functional areas (e.g., accounting, marketing, sales).

A major focus of the course is the group capstone project. The course will use a modified version of the Agile methodology SCRUM. SCRUM calls for self-managed teams to produce a fully functioning system in short periods of time, rather than in an extended analysis and design process.

The course is a *service-learning* course. We will achieve our course objectives of learning how to elicit and model requirements and how to translate these to a working system (our capstone project) while at the same time benefiting an organization in our community by delivering to them a working prototype that meets their requirements.

---

## Course Objectives

---

1. Bring students to an understanding of the issues and management techniques involved in the planning, analysis and modeling, design, and implementation of information systems.
2. Instill in students a mindset that views information systems as a solution to business needs and opportunities, and as such valuable only to the extent that they bring business value.
3. Provide students with the opportunity to apply these techniques and perspectives to a real-world problem.

Specifically, upon completion of this course, students should be able to effectively:

- *understand* the concepts and principles of the systems development life cycle (SDLC), including systems planning, systems analysis, systems design, systems implementation, and systems support.
- *understand and use* Agile processes for software development.
- *understand current trends in systems analysis and design such as DevOps*
- *describe* the systems analyst's role and responsibilities in a typical organization.
- *understand and use* the tools and techniques of object-oriented systems analysis methodology to model systems requirements.
- *design and prototype* a new system that meets users' requirements.

---

## Prerequisites

---

MIST 4600 (Computer Programming in Business), MIST 5740 (Project Management), and MIST 4630 (Network-Based Application Development) are prerequisites.

***If you have not taken these classes, please contact instructor ASAP!***

---

## Textbook & Other Resources

---

Satzinger, Jackson & Burd, *Systems Analysis and Design in a Changing World* (Cengage Learning), 7<sup>th</sup> Edition, 2016, ISBN: 9781305465268 (available at the bookstore)

Cengage Link: <https://www.cengage.com/c/systems-analysis-and-design-in-a-changing-world-7e-satzinger/9781305117204PF/>

Amazon Link: <http://www.amazon.com/Systems-Analysis-Design-Changing-World/dp/1305117204>

## Project Resources

**Salesforce:** For the capstone project, students will be required to use the Salesforce development platform ([www.salesforce.com](http://www.salesforce.com)) to develop the system. Students are also required to complete the *Trailmixes* on Salesforce found at <https://trailhead.salesforce.com/en/home>

**Agile Simulation Videos:** We have paid for students to have 90 days free access to 4 sets of Agile Videos. The videos describe the agile methodology in detail through simulating (acting out) a sprint.

Last revised 12-28-2021 (EK)

Use the following link to register:

<https://agilevideos.com/university-georgia-student-registration>

**Make sure you use your UGA email address** when asked so that the site knows that you have paid access. After you have registered you can watch the videos at

<http://agilevideos.com/videoscategory/agile-simulation-videos/>

The project manual and course schedule identifies which videos to watch by when. It is a fun set of videos that will give you very good insight into SCRUM.

### UML Modeling Tools

Students will be required to use a (free) software modeling tool. Here are two suggestions: (a) LucidChart (<https://www.lucidchart.com/>) (cloud-based, works with all types of computers); (b) Astah (<http://astah.net/>). There is a MAC version of this software. You will need to download and use the **Astah Professional - Free Student Academic License** version of the software.

---

### Grading Information

---

Points will be distributed as follows:

Components of the Final Course Grade		Conversion for Final Course Grades			
Participation Assignments	10%	93% - 100%	A	77% - 79.99%	C+
Quizzes	10%	90% - 92.99%	A-	73% - 76.99%	C
Group Project	30%	87% - 89.99%	B+	70% - 72.99%	C-
Two exams (25% each)	50%	83% - 86.99%	B	60% - 69.99%	D
<b>Total</b>	<b>100%</b>	80% - 82.99%	B-	Below 60%	F

**Note:** The group grades will not be counted if the weighted average for the individual portion of the grade is not at least at the C level.

---

### Course Requirements

---

**Due Dates:** All assignments are due at the **beginning** of class on their due dates via eLC. **No late assignments will be accepted.** Assignments not turned in on time will receive a grade of zero.

**Participation Assignments:** Participation assignments (PAs) are graded on an “effort” basis, i.e., you get full credit if it appears that you made a **strong** effort at completing the assignment and turned it in on time. There is no makeup for a participation assignment, and you *must actually turn in the assignment on time* in order to get credit. This is because we will be going over the solutions of these assignments right after they are turned in. Professionalism counts, so all assignments should be typed, neat, readable, spellchecked, and grammar-checked, and should have your name and email address at the top or on a separate cover page (20% grade deduction if your assignments do not adhere to any of these). All assignments should be submitted electronically via eLC prior to the beginning of class on which they are due.

*Participation assignments are to be done individually.* This means that you are not to solve problems together, compare answers prior to turning in the work, or otherwise use other people’s answers or previous work. *Collaborative efforts on individual work are violations of academic honesty.*

**Quizzes:** We will have a number of pop quizzes (unannounced) on the lectures and other material. These will be given online during class time. Students will take the quiz on their laptop computers in class. Therefore, it is required that you **bring your laptops to class** and that you keep up with the material.

**Group Project:** A key feature of the course is the group project. This provides the opportunity to apply the tools and techniques demonstrated in class and those learned in all prior MIS classes to a real world problem, within a

project team environment. Teams will use Agile methods to develop a system. *Your individual grade for the project will be a function of the team grade for the project and your peer evaluations.* More detailed information concerning the group project will be given in class and via eLC.

Early in the semester, you will be grouped into teams. Your team must be self-managing just like all SCRUM teams. All team members must participate in all team activities, and it is the team's responsibility to ensure that all team members understand all concepts related to the completed projects and presentations. It is the responsibility of the SCRUM master and team, for the team to conduct all SCRUM ceremonies and to engage in continuous introspection, learning, and improvement. Please note that it is a violation of academic honesty to put your name on a project when you have not contributed to the project or to give a fellow team member credit for participating when he or she did not contribute. Irrespective of whether your team meets in-person or virtually, it is important to address any issues early on through open and honest communication. This is a valuable skill to develop that will serve you well in your careers. You can also escalate issues to us if your attempts to resolve the issues are not successful.

**Exams:** Two *online* exams during class time will be given. Students will take the exam on their laptop computers in class. Exams might contain objective questions, applied problems, modeling, and/or short answer/essay problems. In the case of **documented** illness or a **documented** emergency causing a student to miss an exam, a special makeup exam might be given or other arrangements might be made. However, in fairness to all students, I need documentation of illness or emergency – no exceptions. This means that, for example, if you are sick with the flu on exam day, you need to go to the Student Health Center or another doctor because you will need a note from him/her to justify your absence.

There is an optional final exam for the course. If you intend to take the optional final exam, you must inform us of this via email no later than **5:00 pm, May 4 2022**. If you take the cumulative final exam, then exams 1 and 2 will each count for 17% and the final exam will count for 16% of your grade.

**Grade Appeals:** If you would like to appeal a grade on an assignment or exam, you can send me a *written appeal within 7 days* of receiving the grade, otherwise I will consider the grade final. To appeal, prepare a written statement detailing why you think the grade is unfair. Be sure to document your reasons. Stating simply that you feel you “deserve” a higher grade is not sufficient grounds for appeal. Submit the written statement along with the graded material (if appropriate). I will consider your complaint and make a decision. Re-evaluation will entail re-examining the entire report, assignment, or exam, and could result in score changes (i.e., increase or decrease) for each component of the assigned deliverable. You will be notified in writing of my decision.

**Attendance:** Attendance and participation are required for this course. *Excessive unexcused absences (i.e., greater than 4 before the Midpoint Withdrawal deadline) will result in a Drop or Withdrawal for Non-Attendance* according to the policy linked here: <https://reg.uga.edu/faculty-and-staff/drop-or-withdrawal/>.

*Submit documentation for any excused absence (including exposure to covid or testing positive) via the “Excused Absences” assignment dropbox on eLC.*

**MIS Department Professional Requirements:** We will be granting 2 points extra credit (on your overall course grade) for attendance at any two of the Professional Requirement events listed below for this Fall. Partial credit is possible; you will receive 1 point per event for up to two events.

- Two events from the following: MIS Department events (e.g., Meet the Companies), or MIS Department student organization events (e.g., SMIS, WiT). You must register for the event a minimum of 24 hours in advance.
- OR
- Take a MIS-related online course that furthers your knowledge. For example, you might take the Python course on cognitiveclass.ai. Successfully complete the course exam, possibly receiving a certificate. Get approval from your instructor before you take the course. A course that is shown to take one hour counts for one event, two hours for two events, and so on.

*There is no “double counting” of attendance at events or courses. Each event attended or course taken can*

*only count in a single course.*

*If you have potential conflicts with meeting the professional development requirements or if you think that there are better development activities for your situation, meet with your instructor to discuss the possibilities. Your instructor may approve or disapprove your request. This meeting must be at the start (**before January 31<sup>st</sup>**), and not the end, of the semester and is your responsibility to schedule. We will **NOT** entertain late requests for these so please plan ahead. Requests for alternative ways of meeting the professional development requirements must be entered into MISTERS by **February 15**.*

Credits for professional development are now tracked through a new system called MISTERS (MIST Event Registration System). Therefore, **any documentation for attending/completing approved alternative professional development requirements should be submitted via MISTERS.**

To set up your account, sign in at <https://mistersonuga.com>, and add your courses for the semester. When you attend an event, tap a course and have the shown QR code scanned by one of the event's hosts to receive credit. If you would like to submit a proposal for an alternative assignment, you may do so using the menu on the left side of the website. If you have any questions, issues with credits, or need help, please email [mistersonuga.edu](mailto:mistersonuga.edu) directly (not your professor).

You may want to include the following on your resume: "I have completed XXX hours of professional development, including attending multiple professional meetings, networking with industry professionals, and completing LinkedIn Learning courses."

---

### **Academic Honesty**

As a University of Georgia student, you have agreed to abide by the University's academic honesty policy, "A Culture of Honesty," and the Student Honor Code. All academic work must meet the standards described in "A Culture of Honesty," found at [www.uga.edu/honesty](http://www.uga.edu/honesty). Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honesty policy should be directed to the instructor.

---

### **Mental Health and Wellness Resources**

If you or someone you know needs assistance, you are encouraged to contact Student Care and Outreach in the Division of Student Affairs at 706-542-7774 or visit <https://sco.uga.edu>. They will help you navigate any difficult circumstances you may be facing by connecting you with the appropriate resources or services.

UGA has several resources for your well-being and mental health: <https://well-being.uga.edu/>.

Counseling and Psychiatric Services (CAPS) is your go-to, on-campus resource for emotional, social and behavioral-health support: <https://caps.uga.edu/>, TAO Online Support (<https://caps.uga.edu/tao/>), 24/7 support at 706-542-2273. For crisis support: <https://healthcenter.uga.edu/emergencies/>. The University Health Center offers FREE workshops, classes, mentoring and health coaching led by licensed clinicians or health educators: <https://healthcenter.uga.edu/bewelluga/>

Additional resources can be accessed through the UGA App.

---

### **COVID-19 Related Issues**

**UGA adheres to guidance from the University System of Georgia and the recommendations from Georgia Department of Public Health (DPH) related to quarantine and isolation. Since this may be updated periodically, we encourage you to review the latest guidance [here](#). The following information is based on guidance last updated on December 29, 2021.**

#### **Face coverings:**

Following guidance from the University System of Georgia, face coverings are recommended for all individuals while inside campus facilities.

#### **How can I obtain the COVID-19 vaccine?**

Last revised 12-28-2021 (EK)



University Health Center is scheduling appointments for students through the UHC Patient Portal ([https://patientportal.uhs.uga.edu/login\\_dualauthentication.aspx](https://patientportal.uhs.uga.edu/login_dualauthentication.aspx)). Learn more here – <https://www.uhs.uga.edu/healthtopics/covid-vaccine>.

The Georgia Department of Health, pharmacy chains and local providers also offer the COVID-19 vaccine at no cost to you. To find a COVID-19 vaccination location near you, please go to: <https://georgia.gov/covid-vaccine>.

In addition, the University System of Georgia has made COVID-19 vaccines available at 15 campuses statewide and you can locate one here: <https://www.usg.edu/vaccination>

### **What do I do if I have COVID-19 symptoms?**

Students showing COVID-19 symptoms should self-isolate and get tested. You can schedule an appointment with the University Health Center by calling 706-542-1162 (Monday-Friday, 8 a.m.-5p.m.). Please DO NOT walk-in. For emergencies and after-hours care, see <https://www.uhs.uga.edu/info/emergencies>.

### **What do I do if I test positive for COVID-19? (Isolation guidance)**

If you test positive for COVID-19 at any time, either through a PCR test, an Antigen test, or a home test kit, you are **required to report it** through the [DawgCheck Test Reporting Survey](#). Follow the instructions provided to you when you report your positive test result in DawgCheck.

As of December 29, 2021, when an individual receive a positive COVID-19 test: Everyone, **regardless of vaccination status**, should:

- Stay home for 5 days.
- If you have symptoms or your symptoms are resolving after 5 days, you can leave your house and return to class.
- Continue to wear a mask around others for 5 additional days.

### **What do I do if I have been exposed to COVID-19? (Quarantine guidance)**

If you have been exposed (within 6 feet for a cumulative total of 15 minutes or more over a 24-hour period – unmasked\*\*) to someone with COVID-19 or to someone with a positive COVID-19 test and you are:

- Boosted, or have become fully vaccinated within the last 6 months (Moderna or Pfizer vaccine) or within the last 2 months (J&J vaccine)
  - You do not need to quarantine at home and may come to class.
  - You should wear a mask around others for 10 days.
  - If possible, get tested on day 5.
  - If you develop symptoms, get tested and isolate at home until test results are received, then proceed in accordance with the test results.
- Unvaccinated, or became fully vaccinated more than 6 months ago (Moderna or Pfizer vaccine) or more than 2 months ago (J&J vaccine) and have not received a booster:
  - You must quarantine at home for 5 days. After that you may return to class but continue to wear a mask around others for 5 additional days.
  - If possible, get tested on day 5.
  - If you develop symptoms, get tested and isolate at home until test results are received, then proceed in accordance with the test results.

\*\* “Masked-to-masked” encounters are not currently considered an exposure; this type of interaction would not warrant quarantine.

You should report the need to quarantine on [DawgCheck](#) (<https://dawgcheck.uga.edu/>), and communicate directly with your faculty to coordinate your coursework while in quarantine. If you need additional help, reach out to Student Care and Outreach ([sco@uga.edu](mailto:sco@uga.edu)) for assistance.

### **Monitoring conditions:**

Note that the guidance referenced in this syllabus is subject to change based on recommendations from the Georgia Department of Public Health, the University System of Georgia, or the Governor’s Office. For the latest on UGA policy, you can visit [coronavirus.uga.edu](https://coronavirus.uga.edu).

---

## **Adjustment to the Syllabus**

The course syllabus is a general plan for the course; deviations announced by the instructor may be necessary. It

is therefore important to monitor your email and announcements on *eLC* so that you remain informed. Topics, assignments, and due dates are all subject to change. ***Please check your eLC messages and course announcements the night and morning before each class.***

### **Tentative Schedule of Classes**

<b>Date</b>	<b>Topic</b>	<b>Topic/Videos</b>	<b>To Read</b>	<b>Lecture</b>	<b>Due: Assignments/ Project Deliverables</b>
Tuesday, Jan 11	Introduction to Systems Analysis & Design	Introduction to Systems Analysis & Design	Chapter 1 Group Project Manual	Introduction to the Course & Project	<b>Due: Student Information Sheet</b>
Thursday, Jan 13	The SCRUM Framework	Scrum 101 Videos 1-4 <a href="http://agilevideos.com/videoscategory/intro-to-scrum-videos/">http://agilevideos.com/videoscategory/intro-to-scrum-videos/</a>	Read Scrum Guide	Experiential Group Exercise	
Tuesday, Jan 18	The SCRUM Framework	Agile Simulation Videos 1-3 <a href="http://agilevideos.com/videoscategory/agile-simulation-videos/">http://agilevideos.com/videoscategory/agile-simulation-videos/</a>		Experiential Group Exercise	
Thursday, Jan 20	Why and When Agile	Why Agile When Agile	Read HBR 2016 Article "Embracing Agile"	Experiential Group Exercise	<b>Due: Trailhead Registration</b>
Tuesday, Jan 25	Visioning	Visioning Videos Agile Simulation Videos 4-5 <a href="http://agilevideos.com/videoscategory/agile-simulation-videos/">http://agilevideos.com/videoscategory/agile-simulation-videos/</a>		Experiential Group Exercise	<b>Due: Project Deliverable 1</b>
Thursday, Jan 27	Investigating Requirements	Requirements Videos Agile Simulation Videos 6&7 <a href="http://agilevideos.com/videoscategory/agile-simulation-videos/">http://agilevideos.com/videoscategory/agile-simulation-videos/</a>	Chapter 2		<b>Due: Trailmix Assignment 1</b>
Tuesday, Feb 1	Project Tools (Salesforce) + Project Day – Requirements Elicitation		Group Project Manual Project Description	Project Requirements Elicitation	<b>Due: Questions to elicit requirements for Group Project</b> <b>Due: Trailmix Assignment 2</b>
Thursday, Feb 3	Identifying User Stories and Use Cases	Identifying User Stories & Use Cases Videos Agile Simulation Videos 8-12 <a href="http://agilevideos.com/videoscategory/agile-simulation-videos/">http://agilevideos.com/videoscategory/agile-simulation-videos/</a>	Chapter 3		<b>Due: Trailmix Assignment 3</b> Assigned: Use Case Diagram exercise (PA1)
Tuesday, Feb 8	Identifying User Stories and Use Cases			PA1 Solution & Additional Exercises Common Mistakes in UCDs	<b>Due: Project Deliverable 2</b> <b>Due: PA1 - Use Case Diagram</b>
Thursday, Feb 10	Agile Estimation	Estimation Lecture Videos Agile Simulation Videos 13-15 <a href="http://agilevideos.com/videoscategory/agile-simulation-videos/">http://agilevideos.com/videoscategory/agile-simulation-videos/</a>		Experiential Group Exercise	<b>Due: Trailmix Assignment 4</b>
Tuesday, Feb 15	Domain Modeling	Domain Modeling – Brainstorming & Noun Techniques, Domain Class Diagram	Chapter 4	DCM Exercises	Assigned: Domain Model Class Diagram (PA2)
Thursday, Feb 17	Domain Modeling	Domain Modeling – State Machine Diagram	Chapter 4	PA2 Solution & State Machine Diagram Exercises	<b>Due: PA2a - Domain Model Class Diagram</b>
Tuesday, Feb 22	Use Case Modeling	Use Case Modeling – Use Case Description	Chapter 5	Use Case Description Exercises	Assigned: PA3 - Use Case Description, SSD, etc. <b>Due: PA2b - Salesforce part of PA2</b>
Thursday, Feb 24	Use Case Modeling	Use Case Modeling – Activity Diagram and Sequence Diagram	Chapter 5	AD & SSD Exercises	
Tuesday, Mar 1	Use Case Modeling		Chapter 5	PA3 Solution	<b>Due: Project Deliverable 3</b> <b>Due: PA3 – Use Case Description, AD, SSD, etc.</b>
Thursday, Mar 3		<b>Exam 1 – Multiple choice, T/F, modeling, and short answer. Covers everything up to this point.</b>			

Mar 8-10	SPRING BREAK (March 7-11)				
Tuesday, Mar 15		Project Day		Project – Prioritized Backlog, DCD	Due: Trailmix Assignment 5
Thursday, Mar 17		Project Day	Salesforce Project Questions	<i>Guest Speaker- Barney Young</i>	Due: Project Deliverable 4
Tuesday, Mar 22	UX Design	UX Design Videos Agile Simulation Videos 16-23 (watch before Sprint 1)			Due: Trailmix Assignment 6
Thursday, Mar 24	UX Design	New Generation User Interfaces			
Tuesday, Mar 29	Systems Design Overview &: Architecture	Foundations for Systems Design Architecture YouTube Video	Parts of Chapters 6&7	<i>Guest Speaker: Olaf Gradin</i>	Due: Project Deliverable 5 (Sprint 1)
Thursday, Mar 31	Security	Security			Due: Trailmix Assignment 7
Tuesday, Apr 5	Object Oriented Design: Principles	Object Oriented Design: Principles	Chapter 12	DCD & CRC Examples	Due: Project Deliverable 6 (Sprint 2) Assigned: PA4 – DSD
Thursday, Apr 7		Salesforce Project Solution Hour	Salesforce Project Questions	<i>Guest Speaker: Chris Fraser, Talent Acquisition, Advictoriam Solutions</i>	
Tuesday, Apr 12	Object Oriented Design: Use Case Realizations	Object Oriented Design: Use Case Realizations – Design Sequence Diagrams, Multilayer Design	Chapter 13	DCD & DSD Examples	Due: Project Deliverable 7 (Sprint 3)
Thursday, Apr 14	OOD: Use Case Realizations	Object Oriented Design: Use Case Realizations – Communication Diagrams & Design Patterns	Chapter 13	PA4 Solution & Additional Examples	Due: PA4 – DSD
Tuesday, Apr 19	DevOps	DevOps		<i>Guest Speaker: Kevin Solchenberger</i>	Due: Project Deliverable 8 (Sprint 4)
Thursday, Apr 21		Exam 2 – Multiple choice, T/F, short answer, and/or written analysis/modeling. Covers everything since Exam 1			
Tuesday Apr 26		Project Presentations – <b>Final Projects Due (Project Deliverable 9)</b>			
Thursday, Apr 28		Project Presentations			
Tuesday, May 3		Project Presentations			
		Optional Final Exam (online)  8:00 am Section: 8:00 - 11:00 am on May 10 9:35 am Section: 8:00 - 11:00 am on May 5 11:10 am Section: 12:00 – 3:00 pm on May 10 12:45 pm Section: 12:00 – 3:00 pm on May 5 2:20 pm Section: 3:30 – 6:30 pm on May 10			