Term Information

Effective Term	Spring 2021
Previous Value	*Summer 2012*

Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)

Add DL designation

What is the rationale for the proposed change(s)?

This is part of a larger project to provide online courses for the actuarial science program along with the MAQRM program.

What are the programmatic implications of the proposed change(s)?

(e.g. program requirements to be added or removed, changes to be made in available resources, effect on other programs that use the course)?

None.

Is approval of the requrest contingent upon the approval of other course or curricular program request? No

Is this a request to withdraw the course? No

General Information

Course Bulletin Listing/Subject Area	Mathematics
Fiscal Unit/Academic Org	Mathematics - D0671
College/Academic Group	Arts and Sciences
Level/Career	Graduate, Undergraduate
Course Number/Catalog	5634
Course Title	Loss Models II
Transcript Abbreviation	Loss Models 2
Course Description	Continuation of 5633: introduction to the construction and evaluation of actuarial models, with topics covered by examinations of the Society of Actuaries and the Casualty Actuarial Society.
Semester Credit Hours/Units	Fixed: 3

Offering Information

Length Of Course	14 Week, 12 Week
Flexibly Scheduled Course	Never
Does any section of this course have a distance education component?	Yes
Is any section of the course offered	100% at a distance
Previous Value	*No*
Grading Basis	Letter Grade
Repeatable	No
Course Components	Lecture
Grade Roster Component	Lecture
Credit Available by Exam	No
Admission Condition Course	No
Off Campus	Never
Campus of Offering	Columbus

Prerequisites and Exclusions

Prerequisites/Corequisites	C- or better in 5633. Open only to actuarial science majors, and to MMS students specializing in Financial Math.
Exclusions	
Electronically Enforced	No

Cross-Listings

Cross-Listings

Subject/CIP Code

Subject/CIP Code	27.0101
Subsidy Level	Doctoral Course
Intended Rank	Junior, Senior, Masters, Doctoral
Previous Value	*Junior, Senior, Masters*

Requirement/Elective Designation

Required for this unit's degrees, majors, and/or minors
The course is an elective (for this or other units) or is a service course for other units

Course Details

Course goals or learning objectives/outcomes

- Students will understand the various applications of mathematics to loss models.

Previous Value

Content Topic List

- Estimation of data
- Parameter estimation
- Model selection
- Simulation
- Credibility

Sought Concurrence No

Attachments

- Syllabus 5634-in_person.pdf: Syllabus - in person

  (Syllabus. Owner: Husen,William J)
- Math 5634-DL-syllabus-review.docx: DL review document

  (Other Supporting Documentation. Owner: Husen,William J)
- Math 5634 - Online syllabus - update.pdf: Syllabus - online - update

  (Syllabus. Owner: Husen,William J)

Comments

- Updated online syllabus with ODEE template (instructor shared updated syllabus with Ian Anderson) *(by Husen,William J on 09/17/2020 02:04 PM)*
- Please see NMS Panel feedback sent via email. *(by Vankeerbergen,Bernadette Chantal on 09/14/2020 05:20 PM)*

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Husen,William J	08/26/2020 01:58 PM	Submitted for Approval
Approved	Husen,William J	08/26/2020 01:58 PM	Unit Approval
Approved	Haddad,Deborah Moore	08/26/2020 03:02 PM	College Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	08/26/2020 03:56 PM	ASCCAO Approval
Submitted	Husen,William J	08/26/2020 03:58 PM	Submitted for Approval
Approved	Husen,William J	08/26/2020 03:59 PM	Unit Approval
Approved	Haddad,Deborah Moore	08/26/2020 04:46 PM	College Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	09/14/2020 05:21 PM	ASCCAO Approval
Submitted	Husen,William J	09/17/2020 02:04 PM	Submitted for Approval
Approved	Husen,William J	09/17/2020 02:05 PM	Unit Approval
Approved	Haddad,Deborah Moore	09/17/2020 04:45 PM	College Approval
Pending Approval	Jenkins,Mary Ellen Bigler Hanlin,Deborah Kay Oldroyd,Shelby Quinn Vankeerbergen,Bernadette Chantal	09/17/2020 04:45 PM	ASCCAO Approval

Loss Models 2 Syllabus

Math 5634 Spring 2021

Course Information

- **Credit hours:** 3
- **Mode of delivery:** Distance Learning

Instructor

- **Name:** Bradley Waller
- **Email:** waller.44@osu.edu
- **Office location:** Mathematics Building 210
- **Office hours:** Wednesdays 7:30-8:30am and 2:30-3:30pm, or by appointment
- **Preferred means of communication:**
    - My preferred method of communication for questions is **email.**
    - My class-wide communications will be sent through the Announcements tool in CarmenCanvas. Please check your notification preferences (go.osu.edu/canvas-notifications) to be sure you receive these messages.

Course Prerequisites

Math 5633: Loss Models 1

Course Description

This course sequence is designed to give students an introduction to the construction and evaluation of actuarial models. Students will understand measures of risk, characteristics of actuarial models, severity models, frequency models, and aggregate loss models. Additionally, this course will help actuary candidates prepare for the Society of Actuaries' (SOA) exam Short-Term Actuarial Mathematics (STAM).

Learning Outcomes

By the end of this course, students should successfully be able to:

- conduct frequentist and Bayesian estimation,
- construct empirical models,
- select models for data,

- perform credibility calculations,
- simulate outcomes, and
- estimate unpaid losses from a run-off triangle.

How This Online Course Works

Mode of delivery: This course is 100% online. There are no required sessions when you must be logged in to Carmen at a scheduled time.

Pace of online activities: This course is divided into **weekly parts** that are released one to two weeks ahead of time. Two to three parts constitute a unit. Students are expected to keep pace with weekly deadlines but may schedule their efforts freely within that time frame.

Credit hours and work expectations: This is a 3 credit-hour course. According to Ohio State bylaws on instruction (go.osu.edu/credithours), students should expect around 3 hours per week of time spent on direct instruction (instructor content and Carmen activities, for example) in addition to 6 hours of homework (reading and assignment preparation, for example) to receive a grade of C average.

Attendance and participation requirements: Because this is an online course, your attendance is based on your online activity and participation. The following is a summary of students' expected participation:

- **Participating in online activities for attendance**: **at least once per week**
  You are expected to log in to the course in Carmen every week. During most weeks you will probably log in many times. If you have a situation that might cause you to miss an entire week of class, discuss it with me *as soon as possible.*
- **Office hours and live sessions**: **optional**
  All live, scheduled events for the course, including my office hours, are optional.
- **Participating in discussion forums**: **at least once per unit**
  As part of your participation, each unit you can expect to post at least once as part of our discussions regarding relevant articles. In addition, we will have regular discussions via the discussion Q&A board regarding recent topic discussed in the online lectures and examples.

Course Materials, Fees and Technologies

Required Materials and/or Technologies

- Loss Models, 5th edition, by Klugman, Panjer, and Willmot, published by Wiley, ISBN: 9781119523789.

Recommended/Optional Materials and/or Technologies

- Introduction to Ratemaking and Loss Reserving for Property and Casualty Insurance, 4th edition, by Brown and Lennox, published by Actex, ISBN:9781625424747.
- An SOA approved calculator. See approve list here.

Required Equipment

- **Computer:** current Mac (MacOS) or PC (Windows 10) with high-speed internet connection
- **Webcam:** built-in or external webcam, fully installed and tested
- **Microphone:** built-in laptop or tablet mic or external microphone
- **Other:** a mobile device (smartphone or tablet) to use for BuckeyePass authentication

Required Software

Microsoft Office 365: All Ohio State students are now eligible for free Microsoft Office 365. Visit the installing Office 365 (go.osu.edu/office365help) help article for full instructions.

CarmenCanvas Access

You will need to use BuckeyePass (buckeyepass.osu.edu) multi-factor authentication to access your courses in Carmen. To ensure that you are able to connect to Carmen at all times, it is recommended that you do each of the following:

- Register multiple devices in case something happens to your primary device. Visit the BuckeyePass - Adding a Device (go.osu.edu/add-device) help article for step-by-step instructions.
- Request passcodes to keep as a backup authentication option. When you see the Duo login screen on your computer, click **Enter a Passcode** and then click the **Text me new codes** button that appears. This will text you ten passcodes good for 365 days that can each be used once.

- Install the Duo Mobile application (go.osu.edu/install-duo) on all of your registered devices for the ability to generate one-time codes in the event that you lose cell, data, or Wi-Fi service.

If none of these options will meet the needs of your situation, you can contact the IT Service Desk at 614-688-4357 (HELP) and IT support staff will work out a solution with you.

Technology Skills Needed for This Course

- Basic computer and web-browsing skills
- Navigating CarmenCanvas (go.osu.edu/canvasstudent)
- CarmenZoom virtual meetings (go.osu.edu/zoom-meetings)
- Recording a slide presentation with audio narration and recording, editing and uploading video (go.osu.edu/video-assignment-guide)

Technology Support

For help with your password, university email, CarmenCanvas, or any other technology issues, questions or requests, contact the IT Service Desk, which offers 24-hour support, seven days a week.

- **Self Service and Chat**: go.osu.edu/it
- **Phone:** 614-688-4357 (HELP)
- **Email:** servicedesk@osu.edu

Digital Flagship

Digital Flagship is a student success initiative aimed at helping you build digital skills for both college and career. This includes offering an engaging collection of digital tools and supportive learning experiences, university-wide opportunities to learn to code, and a Design Lab to explore digital design and app development. Digital Flagship resources available to help Ohio State students include on-demand tutorials, The Digital Flagship Handbook (your guide for all things tech-related), workshops and events, one-on-one tech consultations with a peer or Digital Flagship staff member, and more. To learn more about how Digital Flagship can help you use technology in your courses and grow your digital skills, visit go.osu.edu/dfresources.

Grading and Faculty Response

How Your Grade is Calculated

Assignment Category	Percent
Weekly Homework Assignments	15
Article Reviews x 3	10
Mini-Exams x 4	20
Group Work	15
Midterm	20
Final	20

Homework assignments are due every Friday at 3pm. In addition, we have the following deadlines:

Important Dates
Mini-Exam 1 (Syllabus) window: Now until you achieve a perfect score!
Mini-Exam 2 window: January 23 at 12am-January 26 at 11:59pm
Midterm window: February 17 at 12am-February 21 at 11:59pm
Mini-Exam 3 window: March 5 at 12am-March 8 at 11:59pm
Mini-Exam 4 window: March 26 at 12am-March 29 at 11:59pm
Final Exam window: April 20 at 12am-April 24 at 11:59pm

Descriptions of Major Course Assignments

Weekly Homework

Description: Assignments can be found in Carmen's modules. Each assignment comes with problems that are suggested and problems that are due. The suggested problems are usually for extra practice; however, there are times where they will be necessary to complete a problem that is due. Those that are for practice will have solutions provided. You will only be

assessed on the problems that are labeled problems due (PD). To submit an assignment, you take an online “quiz" by clicking on the homework assignment for that part of the course and clicking on “Take The Quiz." The assignment is graded immediately upon submission, and you get unlimited attempts before the due date. Each homework assignment is worth 10 points, and the lowest homework is dropped.

Academic integrity and collaboration: Your weekly assignments should be your own original work. You are permitted to work with peers.

Article Reviews

Description: Articles can be found in Carmen's modules. There will be three actuarial article reviews that you will be expected to submit throughout the semester.

Academic integrity and collaboration: Your weekly assignments should be your own original work. You are permitted to discuss the article with your peers, but your review must be your own work.

Mini-Exams

Description: There will be four mini-exams in in this course. The first mini-exam is over the syllabus, and you will be required to take it to access the Unit 1 module. You will be given unlimited attempts and time for the first mini-exam.

The remaining mini-exams are 35 minutes of multiple choice, numerical answer, and file upload questions. You will only have one opportunity to take these online mini-exams. Solutions must be given for the file upload questions. You can make this upload using your phone to take a high-resolution picture or use of a scanner. Just make sure you allot the requisite time to complete this task!

Academic integrity and collaboration: The mini-exams are open note and open book. You are not permitted to work with peers.

Group Work

Description: You will be divided into small groups randomly by Carmen. As a group, you are expected to write problems that would be of the caliber of exam questions. This will be done twice this semester. You will be graded based on question quality and clarity of solution. It is advised that you meet via Zoom to discuss your ideas for questions and to divide up your work load. Another meeting should be scheduled once problems are completed so that you can validate one another’s work.

In a similar manner, you will be assigned discussion groups. Every unit, one group member will be assigned authorship of questions pertaining to a reading selected by the instructor. The remaining group members will respond to the questions, and the author will moderate the responses. The instructor will check in to make sure things are progressing smoothly for each

group. Since this part is completed via the discussion boards on Carmen, you will not need to meet via Zoom for this part.

Academic integrity and collaboration: Your work on group work should be your own. If you are using another work as a source of inspiration, you need to site it following the MLA style.

Exams

Description: There are two exams: a midterm and a final. Exams will be given just as the mini-exams are given. You will be required to submit a selection of the problems you did on the exam. Each exam is 70 minutes. Once again, you must make sure to allot the requisite time to complete your uploads.

Academic integrity and collaboration: The mini-exams are open note and open book. You are not permitted to work with peers.

Late Assignments

Example: Late submissions will not be accepted. Please refer to Carmen for due dates.

Instructor Feedback and Response Time

Example: I am providing the following list to give you an idea of my intended availability throughout the course. Remember that you can call 614-688-4357 (HELP) at any time if you have a technical problem.

- **Preferred contact method:** If you have a question, please contact me first through my Ohio State email address. I will reply to emails within **24 hours on days when class is in session at the university**.
- **Class announcements:** I will send all important class-wide messages through the Announcements tool in CarmenCanvas. Please check your notification preferences (go.osu.edu/canvas-notifications) to ensure you receive these messages.
- **Discussion board:** I will check and reply to messages in the discussion boards once mid-week and once at the end of the week.
- **Grading and feedback:** For large weekly assignments, you can generally expect feedback within **five days**.

Grading Scale

93–100: A
90–92.9: A-
87–89.9: B+
83–86.9: B

80–82.9: B-
77–79.9: C+
73–76.9: C
70–72.9: C-
67–69.9: D+
60–66.9: D
Below 60: E

Other Course Policies

Discussion and Communication Guidelines

The following are my expectations for how we should communicate as a class. Above all, please remember to be respectful and thoughtful.

- **Writing style**: While there is no need to participate in class discussions as if you were writing a research paper, you should remember to write using good grammar, spelling, and punctuation. A more conversational tone is fine for non-academic topics.
- **Tone and civility**: Let's maintain a supportive learning community where everyone feels safe and where people can disagree amicably. Remember that sarcasm doesn't always come across online.
- **Citing your sources**: When we have academic discussions, please cite your sources to back up what you say. For the textbook or other course materials, list at least the title and page numbers. For online sources, include a link.
- **Backing up your work**: Consider composing your academic posts in a word processor, where you can save your work, and then copying into the Carmen discussion.

Academic Integrity Policy

See Descriptions of Major Course Assignments for specific guidelines about collaboration and academic integrity in the context of this online class.

Ohio State's Academic Integrity Policy

Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Thus, The Ohio State University and the Committee on Academic Misconduct (COAM) expect that all students have read and understand the university's Code of Student Conduct (studentconduct.osu.edu), and that all students will complete all academic and scholarly assignments with fairness and honesty. Students must recognize that failure to follow the rules and guidelines established in the university's *Code of Student Conduct* and this syllabus may constitute "Academic Misconduct."

The Ohio State University's *Code of Student Conduct* (Section 3335-23-04) defines academic misconduct as: "Any activity that tends to compromise the academic integrity of the university or subvert the educational process." Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the university's *Code of Student Conduct* is never considered an excuse for academic misconduct,

so I recommend that you review the *Code of Student Conduct* and, specifically, the sections dealing with academic misconduct.

If I suspect that a student has committed academic misconduct in this course, I am obligated by university rules to report my suspicions to the Committee on Academic Misconduct. If COAM determines that you have violated the university's Code of Student Conduct (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the university.
If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact me.

Other sources of information on academic misconduct (integrity) to which you can refer include:

- Committee on Academic Misconduct (go.osu.edu/coam)
- Ten Suggestions for Preserving Academic Integrity (go.osu.edu/ten-suggestions)
- Eight Cardinal Rules of Academic Integrity (go.osu.edu/cardinal-rules)

Copyright for Instructional Materials

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

Statement on Title IX

All students and employees at Ohio State have the right to work and learn in an environment free from harassment and discrimination based on sex or gender, and the university can arrange interim measures, provide support resources, and explain investigation options, including referral to confidential resources.

If you or someone you know has been harassed or discriminated against based on your sex or gender, including sexual harassment, sexual assault, relationship violence, stalking, or sexual exploitation, you may find information about your rights and options on Ohio State's Title IX website (titleix.osu.edu) or by contacting the Ohio State Title IX Coordinator at titleix@osu.edu. Title IX is part of the Office of Institutional Equity (OIE) at Ohio State, which responds to all bias-motivated incidents of harassment and discrimination, such as race, religion, national origin and disability. For more information, visit the OIE website (equity.osu.edu) or email equity@osu.edu.

Commitment to a Diverse and Inclusive Learning Environment

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach their own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

Your Mental Health

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. No matter where you are engaged in distance learning, The Ohio State University's Student Life Counseling and Consultation Service (CCS) is here to support you. If you find yourself feeling isolated, anxious or overwhelmed, on-demand mental health resources (go.osu.edu/ccsondemand) are available. You can reach an on-call counselor when CCS is closed at 614- 292-5766**. 24-hour emergency help** is available through the National Suicide Prevention Lifeline website (suicidepreventionlifeline.org) or by calling 1-800-273-8255(TALK). The Ohio State Wellness app (go.osu.edu/wellnessapp) is also a great resource.

Accessibility Accommodations for Students with Disabilities

Requesting Accommodations

The university strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability including mental health, chronic or temporary medical conditions, please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services (SLDS). After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion.

Disability Services Contact Information

- Phone: 614-292-3307
- Website: slds.osu.edu
- Email: slds@osu.edu
- In person: Baker Hall 098, 113 W. 12th Avenue

Accessibility of Course Technology

This online course requires use of CarmenCanvas (Ohio State's learning management system) and other online communication and multimedia tools. If you need additional services to use these technologies, please request accommodations with your instructor.

- CarmenCanvas accessibility (go.osu.edu/canvas-accessibility)
- Streaming audio and video
- CarmenZoom accessibility (go.osu.edu/zoom-accessibility)
- Collaborative course tools

Course Schedule

Refer to the CarmenCanvas course for up-to-date due dates.

Math 5634: Loss Models II

Spring Semester 2021 – The Ohio State University

Lecturer: Dr. Bradley Waller

Office: Mathematics Building 210

Office Hours: Tuesdays from 4-5pm in a Zoom meeting or by appointment.

Email: waller.44@osu.edu

Purpose: This course sequence is designed to give students an introduction to the construction and evaluation of actuarial models. In particular, students will understand measures of risk, characteristics of actuarial models, severity models, frequency models, and aggregate loss models. Additionally, this course will help actuary candidates prepare for the Society of Actuaries' (SOA) exam STAM.

Textbook: *Loss Models*, 5^{th} edition, by Klugman, Panjer and Willmot, published by Wiley, ISBN: 9781119523789 (Required).
Introduction to Ratemaking and Loss Reserving for Property and Casualty Insurance, 4^{th} edition, by Brown and Lennox, published by Actex, ISBN: 9781625424747 (Recommended).

Assessment: Your course grade will be based on homework, quizzes, exams, and group work; it will be computed as follows:

Computation	Grades
Homework - 25%	A $\geq$ 93
Mini-Exams - 20%	93$>$ A- $\geq$ 90
Exams - 40%	90$>$ B+ $\geq$ 87
Group Work - 15%	87$>$ B $\geq$ 83
	83$>$ B- $\geq$ 80
	80$>$ C+ $\geq$ 77
	77$>$ C $\geq$ 73
	73$>$ C- $\geq$ 67
	67$>$ D $\geq$ 60
	60$>$ E

There will be no makeup exams given, or late homework accepted, without documentation of a medical emergency or university-excused absence, unless we have made arrangements in advance.

Homework: Assignments can be found on Carmen's modules. Each assignment comes with problems that are suggested and problems that are due. The suggested problems are usually for extra practice; however, there are times where they will be necessary to complete a problem that is due. Those that are for practice will have solutions provided. You will only be assessed on the problems that are labeled problems due (PD). To submit an assignment, you take an online "quiz" by clicking on the homework assignment for that part of the course and clicking on "Take The Quiz." The assignment is graded immediately upon submission, and you get unlimited attempts before the due date. Each homework assignment is worth 10 points, and the lowest homework is dropped.

In addition to our computational assignments, there will be three actuarial article reviews that you will be expected to submit throughout the semester. In total, these will be worth approximately 10% of your final grade.

Quizzes: There will be 3 quizzes in class.

Exams: There is a midterm and final exam. Questions will typically be short answer; however, other types of questions are possible.

Group Work: You will be divided into small groups and expected to write problems that would be of the caliber of exam questions. This will be done twice this semester. You will be graded based on question quality and clarity of solution.

For a final group assignment, your group will create a lesson regarding a topic in our course. Your group will create a presentation covering that material.

Corrections: In case there is an error in grading or tabulating, you need to write a short petition explaining your case. This petition must be stapled on top of the assignment and handed to me no later than one week after I have returned the assignment to the class.

Course Updates: Every now and then announcements to the entire course need to be made. These announcements will be made using the news feature on Carmen. It is your responsibility to check the news for this course. You can sign up for news item notifications so that you are aware of any such updates.

Calculator Policy: Only SOA approved calculators are allowed during exams. One of the goals of this course is to become proficient in the use of these calculators.

`https://www.soa.org/education/exam-req/exam-day-info/edu-calculators.aspx`

Email Etiquette: Outside of class time, the primary means of communication between us will be email. Please treat any emails you send me as a professional correspondence. Your email should have a subject, a greeting, and some sort of signature.

Academic Misconduct: "It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-48.7). For additional information, see the Code of Student Conduct at http://studentlife.osu.edu/csc/."

Students with Disabilities: "Students with disabilities that have been certified by Student Life Disabilities Services (SLDS) will be appropriately accommodated and should inform the instructor as soon as possible of their needs. SLDS contact information: slds@osu.edu; 614-292-3307; 098 Baker Hall, 113 W. 12th Avenue."

Description	Readings (from Loss Models)
Unit 1: Frequentist Estimation (3 weeks)	Chapters 13 & 14
Unit 2: Bayesian Estimation and Testing (3 weeks)	Chapters 15 & 16
Unit 3: Credibility (2 weeks)	Chapters 17 & 18
Unit 4: Empirical Bayes' Estimation (2 weeks)	Chapter 19
Unit 5: Simulation and Ratemaking (4 weeks)	Chapter 20 and Chapters 1-3 from Ratemaking

Important Dates (in class)

Quiz 1 on 1/23

Midterm Review on 2/11

Midterm on 2/13

Quiz 2 on 3/5

Quiz 3 on 3/26

Final Review on 4/14

Final Exam on 4/16

Arts and Sciences Distance Learning Course Component Technical Review Checklist

Course: Math 5634
Instructor: Bradley Waller
Summary: Loss Models II

Standard - Course Technology	Yes	Yes with Revisions	No	Feedback/ Recomm.
6.1 The tools used in the course support the learning objectives and competencies.	X			• Carmen • Office 365 • CarmenZoom
6.2 Course tools promote learner engagement and active learning.	X			• CarmenZoom • Carmen Quizzes
6.3 Technologies required in the course are readily obtainable.	X			All are available for free via OSU site license
6.4 The course technologies are current.	X			All are updated regularly.
6.5 Links are provided to privacy policies for all external tools required in the course.	X			No external tools are used
Standard - Learner Support				
7.1 The course instructions articulate or link to a clear description of the technical support offered and how to access it.	X			Links to 8HELP are provided.
7.2 Course instructions articulate or link to the institution's accessibility policies and services.	X			a
7.3 Course instructions articulate or link to an explanation of how the institution's academic support services and resources can help learners succeed in the course and how learners can obtain them.	X			b
7.4 Course instructions articulate or link to an explanation of how the institution's student services and resources can help learners succeed and how learners can obtain them.	X			C
Standard – Accessibility and Usability				
8.1 Course navigation facilitates ease of use.	X			Recommend using the Carmen Distance Learning "Master Course" template developed by ODEE and available in the Canvas Commons to provide student-users with a consistent user experience in terms of navigation and access to course content.
8.2 Information is provided about the accessibility of all technologies required in the course.	X			Accessibility links are provided for all tools.
8.3 The course provides alternative means of access to course materials in formats that meet the needs of diverse learners.	X			
8.4 The course design facilitates readability	X			Comes across like a wall of text. This could be solved by using the distance learning syllabus template.
8.5 Course multimedia facilitate ease of use.	X			All assignments and activities that use the Carmen LMS with embedded multimedia facilitates ease of use. All other multimedia resources facilitate ease of use by being available through a standard web browser

Reviewer Information

- Date reviewed: 8/6/20
- Reviewed by: Ian Anderson

Notes: Consider using the distance learning syllabus template. Please assign dates to the weekly breakdown.

[a]The following statement about disability services (recommended 16 point font):
Students with disabilities (including mental health, chronic or temporary medical conditions) that have been certified by the Office of Student Life Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. The Office of Student Life Disability Services is located in 098 Baker Hall, 113 W. 12th Avenue; telephone 614- 292-3307, slds@osu.edu; slds.osu.edu.

[b]Add to the syllabus this link with an overview and contact information for the student academic services offered on the OSU main campus.
http://advising.osu.edu/welcome.shtml

[c]Add to the syllabus this link with an overview and contact information for student services offered on the OSU main campus. http://ssc.osu.edu. Also, consider including this link in the “Other Course Policies” section of the syllabus.