Term Information

Effective Term	Spring 2022
Previous Value	*Spring 2013*

Course Change Information

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

Add DL status to course

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

Part of development of online offerings of actuarial science courses

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	5631
Course Title	Life Contingencies II
Transcript Abbreviation	Life Continge 2
Course Description	Continuation of 5630: Mathematical Theory of Contingencies. Includes material from examinations by 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	Prereq: A grade of C- or above in 5630.
Previous Value	*Prereq: A grade of C- or above in 5630 (631).*
Exclusions	Open only to Actuarial Science majors, and to MMS students specializing in Financial Math.
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

- Calculate reserves for policies given the reserve basis
- Calculate probabilities and expected present values in multiple state models, particularly multiple decrement and multiple life models
- Calculate pension benefit and perform valuation of pension plans
- Profit test policies

Previous Value

Content Topic List

- Benefit reserve
- Multiple life functions
- Multiple decrement models
- Random and deterministic survivorship group
- Valuation of pension plans
- Applications

Sought Concurrence No

Attachments

- ASC Distance Learning Syllabus Template 2021 Final - Math 5631.docx: DL Syllabus

  (Syllabus. Owner: Husen,William J)

- sp22_5631_syllabus_in_person.pdf: In-person syllabus

  (Syllabus. Owner: Husen,William J)

- Math 5631 - DL checklist.docx: DL- Checklist

  (Other Supporting Documentation. Owner: Husen,William J)

Comments

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Husen,William J	08/16/2021 12:46 PM	Submitted for Approval
Approved	Husen,William J	08/16/2021 12:46 PM	Unit Approval
Approved	Vankeerbergen,Bernadette Chantal	09/07/2021 01:25 PM	College Approval
Pending Approval	Cody,Emily Kathryn Jenkins,Mary Ellen Bigler Hanlin,Deborah Kay Hilty,Michael Vankeerbergen,Bernadette Chantal Steele,Rachel Lea	09/07/2021 01:25 PM	ASCCAO Approval

SYLLABUS
MATH 5631

Life Contingencies 2
Spring 2022 (full term)
3 credit hours
Online

COURSE OVERVIEW

Instructor

Instructor: Dan Poole

Email address: (preferred contact method) poole.89@osu.edu

Phone number: 614-292-1923

Office hours: Tuesdays/Thursdays 1-2pm

Prerequisites

C- or better in Math 3618, or credit for 618; and a grade of C- or better in Math 4530, 5530H, or Stat 4201, or credit for 530, 531H, or Stat 420; and enrollment in Actuarial Science major or the MMS program in Financial Math; or permission of department.

Course description

This course gives an introduction to the mathematical theory of contingencies. Specific topics include benefit reserve, multiple life functions, multiple decrement models, valuation of pension plans and application. Students will learn ways to understand

and price future potential payments under various models. This course will help actuarial candidates prepare for the Society of Actuaries' (SOA) exam LTAM as well as the Casualty Actuarial Society's (CAS) exam MAS-1.

Course learning outcomes

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

- Calculate reserves for policies given the reserve basis
- Calculate probabilities and expected present values in multiple state models, particularly multiple decrement and multiple life models
- Calculate pension benefit and perform valuation of pension plans
- Profit test policies

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 modules** that are released one week ahead of time. 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 policy (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**: **2+ TIMES PER WEEK**
  As part of your participation, each week you can expect to post at least twice as part of our substantive class discussion on the week's topics.

COURSE MATERIALS AND TECHNOLOGIES

Textbooks

Required

- *Actuarial Mathematics for Life Contingent Risks*, by Dickson, Hardy and Waters. Second Edition

Course technology

Technology support

For help with your password, university email, Carmen, or any other technology issues, questions, or requests, contact the Ohio State IT Service Desk. Standard support hours are available at ocio.osu.edu/help/hours, and support for urgent issues is available 24/7.

- **Self-Service and Chat support:** ocio.osu.edu/help
- **Phone:** 614-688-4357(HELP)
- **Email:** servicedesk@osu.edu
- **TDD:** 614-688-8743

Technology skills needed for this course

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

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. Full instructions for downloading and installation can be found at go.osu.edu/office365help.

Carmen 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 take the following steps:

- Register multiple devices in case something happens to your primary device. Visit the BuckeyePass - Adding a Device help article for step-by-step instructions (go.osu.edu/add-device).
- 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.
- Download the Duo Mobile application (go.osu.edu/install-duo) to 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.

GRADING AND FACULTY RESPONSE

How your grade is calculated

ASSIGNMENT CATEGORY	POINTS
Mini-Exams (3)	100
Midterm Exams (2)	200
Final Exam	140
Quizzes (5)	40

Group Work	40
Total	**520**

See course schedule below for due dates.

Descriptions of major course assignments

Quizzes

Description: The quizzes are each a mixture of multiple choice, numerical answer and file upload questions. You have only one opportunity to takes these online quizzes. These assessments will be given using CarmenCanvas "Quizzes" which are available on the "Quizzes" tab within our Carmen course webpage. In addition, you will need to submit the written work to your problems. You can do this either your phone to take a picture or a scanner. Just make sure that you allot the requisite time to complete this task. There are five quizzes over the course of the semester. Each quiz will be worth 10 points.
Academic integrity and collaboration: These quizzes are open book and open notes. Due to the nature of this course, it is likely that you will take your assessment at different times than other students. Please refrain from discussing your assignment until after the assessment closes to the course. Failure to do so will be considered academic misconduct.

Mini-Exams

Description: The three mini-exams are each a mixture of multiple choice, numerical answer and file upload questions. You have only one opportunity to takes these online mini-exams. These assessments will be given using CarmenCanvas "Quizzes" which are available on the "Quizzes" tab within our Carmen course webpage. Once again, you will need to submit the written work to your problems. Make sure that you allot the requisite time to complete this task. The main difference between the quizzes and mini-exams is that you will have more time for the mini-exams and the mini-exams are worth more points.
Academic integrity and collaboration: These mini-exams are open book and open notes. Due to the nature of this course, it is likely that you will take your assessment at different times than other students. Please refrain from discussing your assignment until after the assessment closes to the course. Failure to do so will be considered academic misconduct.

Exams

Description: The exams (two midterm exams and final exam) are each a mixture of multiple choice, numerical answer and file upload questions. You have only one opportunity to takes these online exams. These assessments will be given using CarmenCanvas "Quizzes" which are available on the "Quizzes" tab within our Carmen course webpage. The two midterm exams are worth 100 points each and the final exam is worth 140 points. The final exam is cumulative. Just like the quizzes and mini-exams, you will need to submit the written work to your problems. Make sure that you allot the requisite time to complete this task. You will have more time to complete the midterm exams and final exam than for the mini-exams.

Academic integrity and collaboration: These exams are open book and open notes. Due to the nature of this course, it is likely that you will take your assessment at different times than other students. Please refrain from discussing your assignment until after the assessment closes to the course. Failure to do so will be considered academic misconduct.

Group Work

Description: You will be divided into groups of about 5 people. Each Unit (other than the first unit), a group will have a questions author. The author will write questions regarding the reading from *Actuarial Mathematics for Life Contingent Risks* in the discussion section. Each question will be in response to the lecturer's discussion assigning the authorship and reading for the week. The remaining group members will each answer one of the questions posed by the author. The author will check the answers given, state whether or not the questions are correct, and provide correct answers within 72 hours of the deadline for the respondents. You will be expected to author questions once this semester.
Academic integrity and collaboration: Group members work with each other on their assignments. The author's submission should be written by the author and the respondents' submissions should be written by the respondent.

Homework

Description: Homework exercises can be found on Carmen within each Unit's module. Homework is a vital part of learning. Completing homework deepens your understanding of the concepts, tools and techniques from the course. Homework will not be turned in or graded, but it expected that you complete the homework. Solutions to the homework are posted within Carmen.
Academic integrity and collaboration: It is recommended that you collaborate with other students with discussing the homework exercises.

Late assignments

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

Grading scale

100 - 90: A
89.9 - 87: A-
86.9 - 84: B+
83.9 - 80: B
79.9 - 77: B-
76.7 - 74: C+
73.9 - 70: C
69.9 - 67: C-

66.9 - 64: D+
63.9 - 60: D
59.9 - 0: E

Instructor feedback and response time

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.)

- **Grading and feedback:** For large weekly assignments, you can generally expect feedback within **7 days**.
- **Email:** I will reply to emails within **24 hours on days when class is in session at the university**.
- **Discussion board:** I will check and reply to messages in the discussion boards every **24 hours on school days**.

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**, above, for my specific guidelines about collaboration and academic integrity in the context of this online class.

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 3335-5-487). For additional information, see the Code of Student Conduct **http://studentlife.osu.edu/csc/**.

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 web page (go.osu.edu/coam)
- Ten Suggestions for Preserving Academic Integrity (go.osu.edu/ten-suggestions)

Student Services and Advising

University Student Services can be accessed through BuckeyeLink. More information is available here: https://contactbuckeyelink.osu.edu/

FOR UNDERGRAD COURSES: Advising resources for students are available here: http://advising.osu.edu

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

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been

sexually harassed or assaulted, you may find the appropriate resources at http://titleix.osu.edu or by contacting the Ohio State Title IX Coordinator at titleix@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 his or her 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.

Land Acknowledgement

We would like to acknowledge the land that The Ohio State University occupies is the ancestral and contemporary territory of the Shawnee, Potawatomi, Delaware, Miami, Peoria, Seneca, Wyandotte, Ojibwe and Cherokee peoples. Specifically, the university resides on land ceded in the 1795 Treaty of Greeneville and the forced removal of tribes through the Indian Removal Act of 1830. I/We want to honor the resiliency of these tribal nations and recognize the historical contexts that has and continues to affect the Indigenous peoples of this land.

More information on OSU's land acknowledgement can be found here:

https://mcc.osu.edu/about-us/land-acknowledgement

Your mental health

As a student you may experience a range of issues that can cause barriers to learn, 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 resources are available at go.osu.edu/ccsondemand. You can reach an on-call counselor when CCS is closed at 614- 292-5766, and 24-hour emergency help is also available through the 24/7 National Prevention Hotline at 1-800-273-TALK or at suicidepreventionlifeline.org. The Ohio State Wellness app is also a great resource available at go.osu.edu/wellnessapp.

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. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. **SLDS contact information:** slds@osu.edu; 614-292-3307; 098 Baker Hall, 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.

- Canvas 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 Carmen course for up-to-date assignment due dates.

Week	Dates	Topics, Readings, Assignments, Deadlines
1	1/10 – 1/14	Unit 0: Introduction to course. Preliminaries to course & syllabus. Mini-Exam 1 available from W 1/12 to F 1/14.
2	1/17 – 1/21	Unit 1: Reserving. This unit introduces the concept of reserving. We discuss future loss random variables and calculate net/gross/net policy values.
3	1/24 – 1/28	Unit 1: Reserving. Look at recursion relations and Thiele's differential equation in reserving. Compute profit by source.
4	1/31 – 2/4	Unit 1: Reserving. Review for upcoming exam. Exam 1 available from W 2/2 to F 2/4
5	2/7 – 2/11	Unit 2: Multiple State Models. Introduce multiple state models. This is a generalization of our survival models. We calculate probabilities within this model.
6	2/14-2/18	Unit 2: Multiple State Models. Perform valuations in multiple state models. Calculate reserves in multiple state models.
7	2/21-2/25	Unit 2: Multiple State Models. Review for upcoming mini-exam. Mini-Exam 2 available from W 2/23 to F 2/25
8	2/28-3/4	Unit 3: Multiple Decrement Models. Introduce multiple decrement models, which are a specific type of multiple state models. We discuss multiple decrement tables and look at connections between dependent and independent survival/exit probabilities.
9	3/7-3/11	Unit 3: Multiple Decrement Models. Review for upcoming exam. Exam 2 available from W 3/9 to F 3/11
	3/14-3/18	SPRING BREAK
10	3/21-3/25	Unit 4: Multiple Life Models. Introduce multiple life models, which are a specific type of multiple state models. Compute probabilities in these models.
11	3/28-4/1	Unit 4: Multiple Life Models. Perform valuations of annuities and insurances in multiple life models.
12	4/4-4/8	Unit 4: Multiple Life Models. Review for upcoming mini-exam Mini-Exam 3 available from W 4/6 to F 4/8

Week	Dates	Topics, Readings, Assignments, Deadlines
13	**4/11-4/15**	**Unit 5: Pension Plans. Introduce defined benefit and defined contribution pension plans. Valuation of these plans along with retiree health care plans.**
14	**4/18-4/22**	**Unit 6: Profit Testing. Introduce the principles of profit testing. Important concepts discussed are profit vector, profit signature and rate of return.**
15	**4/25-4/29**	**Unit 6: Profit Testing. Review for upcoming exam.** **Exam 3 available from W 4/27 to F 4/29**

MATH 5631
LIFE CONTINGENCIES 2

General Information.

Instructor:	Dan Poole
Email:	poole@math.osu.edu
Office:	Math Tower 529
Class Webpage:	http://www.carmen.osu.edu
Lecture Room:	2017 McPherson Chemical Lab
Lecture Time:	Monday/Wednesday 12:40pm - 2:20pm
Textbook:	*Actuarial Mathematics for Life Contingent Risks* by Dickson, Hardy & Waters. Second Edition. ISBN: 9781107044074

Course Description and Purpose: This course gives an introduction to the mathematical theory of contingencies. Specific topics include benefit reserve, multiple life functions, multiple decrement models, valuation of pension plans and application. Students will learn ways to understand and price future potential payments under various models. This course will help actuarial candidates prepare for the Society of Actuaries' (SOA) exam LTAM as well as the Casualty Actuarial Society's (CAS) exam MAS-1.

Prerequisites: C- or better in Math 3618, or credit for 618; and a grade of C- or better in Math 4530, 5530H, or Stat 4201, or credit for 530, 531H, or Stat 420; and enrollment in Actuarial Science major or the MMS program in Financial Math; or permission of department.

Office Hours: Tuesday/Thursday 2:30pm-3:40pm.

Assessment: Your grade is based on your performance on 7 quizzes and 3 exams.

Component	**Points**	**Percentage**
Exam 1	100	25%
Exam 2	100	25%
Exam 3	140	35%
Quizzes	60	15%
Total	400	**100%**

Quizzes: There will be eight quizzes over the course of the semester. Each quiz will be worth 10 points and the lowest two quiz scores will be dropped. The quizzes will occur at

the beginning of class and the possible material for the quiz will be announced in class on the previous lecture day.

Exams: There will be three exams. Each exam will be held in the lecture room. If you are going to miss an exam due to an **excused**[1] absence, email me as soon as possible to discuss arrangements.

Grade Policy: The letter grades are determined by a simple adjustment from the OSU Standard Scheme; namely,

90%-100% (A) 87%-89.9% (A-) 84%-86.9% (B+) 80%-83.9% (B) 77%-79.9% (B-)
74%-76.9% (C+) 70%-73.9% (C) 67%-69.9% (C-) 64%-66.9% (D+) 57%-63.9% (D).

Academic Honesty: 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/

Disability Statement: 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.

[1]Excused absences include illness (with doctor's note), participation in official OSU events, jury duty, etc. Email me as soon as possible if you are to miss an assignment.

Tentative Schedule

Monday	Wednesday
Jan 10 Introduction	Jan 12
Jan 17 **MLK Day** **No Class**	Jan 19 **Quiz 1**
Jan 24	Jan 26 **Quiz 2**
Jan 31	Feb 2 **Exam 1**
Feb 7 Review	Feb 9
Feb 14	Feb 16 **Quiz 3**
Feb 21	Feb 23 **Quiz 4**
Feb 28	Mar 2 **Quiz 5**

Monday	Wednesday
Mar 7 Review	Mar 9 **Exam 2**
Mar 14 **Spring** **Break**	Mar 16 **Spring** **Break**
Mar 21	Mar 23
Mar 28	Mar 30 **Quiz 6**
Apr 4	Apr 6 **Quiz 7**
Apr 11	Apr 13 **Quiz 8**
Apr 18	Apr 20
Apr 25 Last Day of Classes	Apr 27 **Exam 3**

Arts and Sciences Distance Learning Course Component Technical Review Checklist

Course: Math 5631
Instructor: Dan Poole
Summary: Life Contingencies 2

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			• Office 365 • Carmen
6.2 Course tools promote learner engagement and active learning.	X			• Asynchronous lectures.
6.3 Technologies required in the course are readily obtainable.	X			All tech is readily accessible and available.
6.4 The course technologies are current.	X			The majority of the tech is web based and updated regularly.
6.5 Links are provided to privacy policies for all external tools required in the course.	X			No 3rd party 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 ASC 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			No 3rd party tools are used.
8.3 The course provides alternative means of access to course materials in formats that meet the needs of diverse learners.	X			Recommend that resources be developed to address any requests for alternative means of access to course materials.
8.4 The course design facilitates readability	X			Recommend using the Carmen Distance Learning "Master Course" template developed by ASC and available in the Canvas Commons to provide student-users with a consistent user experience in terms of navigation and access to course content.
8.5 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: 5/27/21
- Reviewed by: Ian Anderson

Notes: This doesn't appear to be in the 2021 version of the ASC DL template. It should be placed in that. Dates need to be added to the weekly breakdown.

[a]The following statement about disability services (recommended 16 point font):
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. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. **SLDS contact information:** slds@osu.edu; 614-292-3307; 098 Baker Hall, 113 W. 12th Avenue.

[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

[c]Add to the syllabus this link with an overview and contact information for student services offered on the OSU main campus. https://contactbuckeyelink.osu.edu/