

## INFORMATION ABOUT FALL 2020 LARGE LECTURE MATHEMATICS COURSES

- Calculus classes (MATH 165, 166 and 265)
  - Lectures delivered in asynchronous fashion (in other words pre-recorded; will have a few alternatives to select from). Each week without an exam there will be three topics covered.
  - Two exams during the semester (Thur. Sept. 17 and Thur. Oct. 15) plus a final (date TBD). Exams are done online using Canvas. Open book and open notes with only mild time constraints.
  - Twelve quizzes during the semester (none on a week after an exam). Exams are done online using Canvas. Open book and open notes with a short time restriction (must be completed sometime on Wed-Fri of the week). Will hold synchronous recitation sessions on Mon-Tue to help prepare for the quiz). Attendance in recitation is encouraged but not required.
  - For weeks without an exam there will be three homework assignments (corresponding with the three topics per week). Homework is done through MyMathLab. Help hours are available for assistance for homework and also to discuss understanding of course material more fully.
  - You do NOT need to buy the physical copy of the textbook. You do need the access code which can be purchased separately from the book (this is needed to do the homework).
  
- Ordinary Differential Equations (MATH 266/267)
  - Lectures are all online. An individual instructor will decide whether lectures are pre-recorded or delivered live virtually with Webex/Zoom etc.
  - Three exams (on 5th, 9th, and 13th week) during the semester plus the final. All exams are online written exams that students submit in Canvas as a pdf file. Exams are an open book, open notes, and the internet with time constraints.
  - Math 266: Nine quizzes during the semester. A written online quiz will be submitted in Canvas as a pdf file on Fridays.
  - Math 267: Recitations are face to face. Quizzes are online written quizzes submitted in canvas on recitation day as a pdf file. Ten quizzes during the semester. Attendance in recitation is not required for students.
  - Homework is done through MyMathLab. There are 11 HWs for Math 266 and 15 for Math 267.

- Linear Algebra (MATH 207)
  - Lectures delivered synchronously on WebEx during the times previously listed on the schedule of classes, attendance not taken, any session can be attended, and videos are made available afterwards
  - Three unit exams on MyMathLab, one final exam on MyMathLab, each of which are untimed and open for several days for completion
  - There will be paper quizzes to complete and upload to Canvas each week there is not an exam
  - You do NOT need to buy the physical copy of the textbook. You do need the access code which can be purchased separately from the book (this is needed to do the homework).
  
- College Algebra (MATH 140)
  - Lectures delivered in asynchronous fashion (in other words, pre-recorded). Topics are grouped in Modules. Each week, we will cover one Module, with one lecture day set aside for review before each exam.
  - Two exams during the semester (Monday Sept. 14 and Monday Oct. 19) plus a final (date TBD). Exams during Semester are done online using Canvas. The Final is done using ALEKS. Open book and open notes with only mild time constraints.
  - Eleven Group Projects during the semester – one per week, except in week 1 and after exams. Group projects are submitted online using Canvas by Wednesday midnight. TAs hold synchronous recitation sessions on Wed to help with material. For each Module, there is one homework assignment. Homework is done online through ALEKS.
  - Weekly virtual office hours are available.
  - You do NOT need to buy a physical copy of the textbook. You do need to purchase an ALEKS access code (this comes with a complete electronic copy of the textbook, and is needed for homework and the Final).
  
- Preparation for Calculus (MATH 143)
  - Lectures delivered in asynchronous fashion (in other words, pre-recorded). Topics are grouped in Modules
  - Two midterm exams and one final exam are given online, students will have a 24-48 hour window to complete the exam.
  - Homework is online in KnewtonAlta, 14 assignments.
  - Quizzes are given in Canvas, there will be 10.
  - There will be virtual office hours.
  - Students will be put in small groups and required to meet weekly with their TA.
  - There is no textbook.

- Discrete Math (MATH 150)
  - Access to the online version of the textbook and MathLab via the Redshelf Course Materials system with a hard copy of the textbook available at the ISU Bookstore
  - Asynchronous videos explaining each topic given each week
  - Supplemental instruction via written presentations, power point presentations, interactive exercises, and animated examples
  - Four examinations throughout the semester: three chapter exams and the final exam with all exams to be given in MyMathLab
  - Twelve weekly quizzes to be given in Canvas
  
- Business Calculus (MATH 151)
  - Lectures delivered in asynchronous fashion (in other words pre-recorded.) Each week without an exam there will be ~2-3 topics covered.
  - Most weeks will have two homework assignments---one for each lecture. Homework is done online using MyMathLab. Help hours are available for assistance on homework if needed.
  - There will be around twelve quizzes during the semester (none on a week with an exam) covering the previous week's material. Quizzes are done online using MyMathLab. Open book and open notes with a time constraint will hold synchronous recitation sessions on Tues/Wed to help prepare for the quiz.
  - Two exams during the semester (Fri. Sept. 18 and Fri. Oct. 30) plus a final (date TBD.) Exams are done online using MyMathLab. Open book and open notes with some time constraints.
  - You do NOT need to buy the physical copy of the textbook. You do need the access code which can be purchased separately from the book (this is needed to do the homework), but for most students the access code will be provided via Red Shelf Immediate Access.