

## Remote Course Plans Fall 2020

### **Biological Sciences Courses (01:119)**

#### **01:119:103 Principles of Biology**

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

In essence the course is synchronous. The lectures videos will be posted weekly but all quizzes will be synchronous during scheduled lecture times. The labs are all synchronous, all students have to be online during their 3 hour scheduled lab section.

Lecture: the lectures will be uploaded on the weekend for the 2 lectures that week. Quizzes will be given and taken during the scheduled lecture times. The 2 midterms will be taken during the 80-min lecture period and the Final exam will be given during the Final exam period.

Lab: totally synchronous, all students will be expected to be present for the 3 hour scheduled lab. They will watch videos, look at PowerPoints, do experiments, group work, Collaboration files on Canvas with their TAs. Attendance is mandatory. There will be Participation points. In-lab assignments will be submitted during the lab period. Quizzes and lab practical exam will be given during scheduled lab periods.

**When and how will help be provided?**

Lecture: Instructor will be online during the two 80-min scheduled lecture times to answer any questions. Prior to the 3 exams, she will run a Review Session on Canvas. Students can email me anytime.

Lab: The TAs will be available during their 3 hour lab times and will also schedule Office Hours.

**What will you need to be able to be successful in this course?**

For both Lecture and Lab, students must have access to a computer that has a camera and microphone. Students will also need a smartphone that can take pictures and upload onto Canvas site. Pictures will often be needed for lab assignments and some lecture quizzes.

#### **01:119:115 General Biology I**

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Lecture content will be delivered via asynchronous posted videos. Workshop is synchronous and held at the student’s scheduled workshop time.

Students are required to actively watch and listen to all posted lectures weekly, taking notes and completing their BiOs forms for each lecture in order to prepare for their weekly synchronous workshop. Students are required to be online to attend and actively participate in their scheduled Workshop each week. Weekly required workshop practice questions are given the day of the scheduled workshop. Additional assignments will be announced in lecture and workshop and posted on the course Sakai page during the semester. The exams will

be administered during specific times - students will be required to take them at that time unless they have one of the acceptable reasons for taking a makeup as detailed in the course policy.

### **When and how will help be provided?**

Students are expected to attend instructor and workshop facilitator review and practice sessions, but are not required to do so. These will be held during scheduled lecture times. There will also be a moderated discussion forum on Sakai where students and instructors can interact.

### **What will you need to be able to be successful in this course?**

Phones, Chromebooks, etc. are not recommended - students need a computer with reliable high-speed internet and a microphone

## **01:119:116 General Biology II**

### **What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Lecture content will be delivered via asynchronous posted videos and students are expected to watch and actively take notes. Workshop is synchronous and held at the student’s scheduled workshop time

where attendance will be taken and participation will be required. For each workshop, students will be expected to bring a completed BiOs form and be prepared to discuss it. Weekly required workshop practice questions are given the day of the scheduled workshop. Other assignments throughout the semester will be posted in the syllabus and on Sakai. Exams will be given at specific times that will be indicated on the syllabus. Students will be required to take them at that time unless they have one of the acceptable reasons for taking a makeup as detailed in the course policy.

### **When and how will help be provided?**

Students are expected to attend instructor and workshop facilitator review and practice sessions, but are not required to do so. The lecturer will be available twice weekly for office hours. These meetings will be scheduled during normal lecture times to minimize conflicts that the students may have with other courses.

### **What will you need to be able to be successful in this course?**

Phones, Chromebooks, etc. are not recommended - students need a computer with reliable high-speed internet and a microphone

## **01:119:117 Biological Research Laboratory**

### **What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

The course will be synchronous. Labs: students are expected to attend all the scheduled lab meetings (be online on Zoom), attendance will be taken and participation will be required to complete lab activities (quizzes, in class assignments and simulations before the end of the 4 hour lab period). Homework assignments will be assigned weekly and students will have a week to complete the assignments with deadlines established before

the beginning of each lab. Lecture content will be delivered via asynchronous posted videos. The exams will be administered during specific times - students will be required to take them at that time, unless they have one of the acceptable reasons for taking a makeup outlined in the course policy.

**When and how will help be provided?**

Weekly communication with students will be maintained by posting Canvas announcements (for general class announcements), reminder emails before each class meeting (for specific information including required readings, deadlines, graded activities and available practice materials for that week), real-time group meetings using (Zoom) breakout rooms during each lab meeting and (Canvas) Collaborations for feedback on team activities. Virtual office hours will be available on a weekly basis and upon request for individual questions.

**What will you need to be able to be successful in this course?**

Computer (laptop/desktop), no Chromebook/tablet/and variations, high-speed internet, webcam, microphone

**01:119:127 Anatomy & Physiology I**

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Each week there will be synchronous meetings (with video and audio access), one for lab and a separate meeting for lecture, to discuss administrative details, review complex content, and answer questions. This meeting will occur during regularly scheduled lab and lecture times. Lecture exams will occur during scheduled lecture times, lab practical will occur during the laboratory time period.

**When and how will help be provided?**

The instructor plans to hold two synchronous meetings, one for lab and another for lecture, where students will have the opportunity to ask questions about content. In addition these meeting provide a private chat option to interact with individual students. Aside from these remote elements the instructor will provide access through email.

**What will you need to be able to be successful in this course?**

High-speed internet, Webcam, Microphone

**01:119:131 Microbiology for the Health Sciences**

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Students are expected to be online in lecture from meet at 5:00pm-5:50pm on Mondays and Wednesdays. Students will be given, in advance, the power point presentations with detailed notes so they can come to each session with any questions on the material. The grades will be based on 4 unit assessments. Each assessment consists of an 85-point exam, and 15-point written assignment. Each exam is made of timed multiple-choice

questions etc. and will be given during the regular class time. Each written assignment portion will be completed outside the class time.

**When and how will help be provided?**

Instructors will have an office hour during the week using the Canvas conference link. The students will also always have access to them via e-mail.

**What will you need to be able to be successful in this course?**

High speed internet and Microphone

**01:119:132 Microbiology for the Health Sciences Lab**

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

The 5 sections of lab are synchronous which means that students will be required to be online at their designated lab time (although not for the full 3 hours). During this time, the exercises to be performed that week will be discussed accompanied with supporting material such as power point slides etc.

There will be weekly assignments based on performing some virtual labs, answering specific questions about the lab exercises and analyzing data pertaining to some of the lab exercises. Two quizzes will be taken during the designated lab time and a written lab report will also be required toward the end of the semester.

**When and how will help be provided?**

TAs will have office hour during the week using the Canvas conference link. The students will also always have access to them via e-mail.

**What will you need to be able to be successful in this course?**

High speed internet and Microphone

**01:119:150 Biology, Society and Biomedical Issues**

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Each week there will be synchronous meetings (with video and audio access), to discuss administrative details, review complex content, and answer questions. This meeting will occur during regularly scheduled lecture times. Exams will occur during scheduled lecture times.

**When and how will help be provided?**

During the weekly synchronous meeting there will be the opportunity to ask questions about content. In addition these meeting provide a private chat option to interact with individual students. Aside from these remote elements the instructor will to provide access through email.

**What will you need to be able to be successful in this course?**

Microphone preferred

**01:119:154 Genetics, Law and Social Policy**

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Everything is asynchronous. The instructor will post written lecture notes with the homework questions in them, and also narrated PowerPoint files to substitute for lectures. Homework questions will be required for each lecture unit and there will also be open-book exams.

**When and how will help be provided?**

Every homework assignment receives extensive feedback on each answer that is not completely correct.

The Forum tool will be used so students can post questions and discuss problems or other issues; the instructor will monitor and participate in the forum. He will also use the Meetings tool to hold chat session-type review sessions before each exam. Students can request private meetings any time.

**What will you need to be able to be successful in this course?**

Microphone preferred

**01:119:195 Mind, Brain and Behavior**

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

The course will be primarily asynchronous with required discussion posts each week (due Monday and Thursday evenings).

**When and how will help be provided?**

The instructor will be available for office hours using WebEx on Thursday at noon as well as by appointment.

**What will you need to be able to be successful in this course?**

No special technology needed

### 01:119:199 Preparation for General Biology

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

**When and how will help be provided?**

**What will you need to be able to be successful in this course?**

High-speed internet

Microphone

### 01:119:201/202 Independent Study in Biology

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Asynchronous; mid semester rough draft and final paper required.

**When and how will help be provided?**

By arrangement, with Faculty mentor

**What will you need to be able to be successful in this course?**

Webcam

Microphone

### 01:119:307/308/406 Research in Biology

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Asynchronous. In collaboration with Faculty Research Mentor

**When and how will help be provided?**

By arrangement, with Faculty Research Mentor

**What will you need to be able to be successful in this course?**

Webcam

Microphone

## 01:119:408 Honors in Biology

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Asynchronous. In collaboration with Faculty Research Mentor

**When and how will help be provided?**

By arrangement, with Faculty Research Mentor

**What will you need to be able to be successful in this course?**

Webcam

Microphone

## **Cell Biology and Neuroscience Courses (01:146)**

### 01:146:356 Systems Physiology

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

The course is mostly asynchronous and runs from Tuesday September 1st through Tuesday December 22nd. There are four required, synchronous exam days/times and they are as follows:

Exam 1 – Monday September 28th, 9:30-10:30 A.M.

Exam 2 – Monday October 26th, 9:30-10:30 A.M.

Exam 3 – Monday November 23rd, 9:30-10:30 A.M.

Cumulative Final Exam – TBA

There will also be weekly quizzes due Sunday evening as well as Concept Checks that are due Monday and Thursday evenings.

## **Genetics Courses (01:447)**

### 01:447:245 Introduction to Cancer

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Synchronous live lectures with screen share and discussion with students using the Canvas course management system and Conferences (Big Blue Button or Zoom). The slides for the lecture will be available in PowerPoint or PDF format before the lecture. The live lectures will be recorded for access after the lecture.

**When and how will help be provided?**

Students may make an appointment to be held with the Instructor during weekly office hours.

There will be three exams used for calculating the final grade. The first and second exams will each be held during a 70 minute scheduled class time, the third exam will be held during the final exam week.

### **What will you need to be able to be successful in this course?**

Students are expected to view and participate in each class, Tuesday and Thursday 1:40 – 3:00 PM. A desktop or laptop computer with a webcam and audio capability, and internet access are necessary. A student guide to the Canvas course management system is available at: <https://community.canvaslms.com/docs/DOC-10701-canvas-student-guide-table-of-contents>

### **01:447:354:01/02 Implications of the New Genetics**

#### **What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

The course will be offered in a hybrid asynchronous/synchronous format. In the past, I lectured for about 20 minutes per class. The remainder of the class was filled with activities and discussions.

The asynchronous components will be: 1. Readings and reading quizzes (no different than previous years) 2. Pre-recorded lecture components (new) 3. Hyperlinks to any videos that were embedded in class lectures 4. Blog writing (no different than previous years)

The synchronous components will be conducted via Zoom during class time: 1. Zoom polling for initiating discussions 2. Breakout rooms for ELSI discussions and activities, blog workshops, case studies; monitored by 3 learning assistants while I pop in and out of them 3. Final group project presentations

Please note that 15% of the student’s grade is based on contribution in the classroom and therefore a synchronous component is mandatory. Class times that require viewing lectures in the asynchronous component are 50 minutes whereas class times that only require reading or no work in the asynchronous component are 80 minutes.

#### **When and how will help be provided?**

I will do everything in my means to work with RU/SAS to assist students with technology and synchronous classroom challenges, but because this is an elective, there are no exceptions to these components. Per the recommendations of RU TLT, the adjustment in time will ensure that students are not over-burdened in this new format.

#### **What will you need to be able to be successful in this course?**

The asynchronous component requires computer, internet access, Canvas and Wordpress. The synchronous component requires a computer, webcam, audio, Zoom and internet access.

### **01:447:380 Genetics Sections 01-15, H1 and H2**

#### **What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

When offered remotely, Genetics 380 will include both asynchronous and synchronous elements.

The asynchronous elements include lectures that will be recorded and posted on Canvas for students to view at their convenience. Two lectures will be posted each week. Each lecture will have two or three questions embedded throughout. Students will earn participation points by completing these questions on Canvas before the posted due date and time. In addition, students will complete online homework assignments on the SaplingPlus website. Students must purchase access to the SaplingPlus site, which includes all online homework assignments and the e-version of the text. There will be two online homework assignments due each week, and they will address material covered in lectures posted that week.

The synchronous elements include recitation sessions and weekly office hours. Recitations will meet via Zoom. Students will be organized into breakout rooms to work on assigned problems in groups. Each group will submit their work at the end of the class period for grading. The TA will move between breakout rooms to monitor progress and help groups as needed. There will also be a short quiz that students will take on Canvas during each recitation session.

There will be three exams that students will take on Canvas. The first two exams will be held during a regular lecture period (exact date will be announced at the beginning of the semester). The third exam will be held during the scheduled final exam period. The third (final) exam will not be cumulative.

Grades will be calculated based on lecture participation (10%), completion of online homework (10%), recitation (attendance/participation and performance on weekly quizzes) (20%) and performance on the three exams (20% each).

### **When and how will help be provided?**

Office hours will be held twice each week. Students should bring questions and may come and go at any time during the hour. Times for office hours will be announced at the beginning of the semester.

### **What will you need to be able to be successful in this course?**

Students will need high-speed internet access and a device with camera and microphone in order to participate during recitations and office hours.

## **01:447:380 Genetics**

### **What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

This course will use primarily “asynchronous remote instruction”. The course will be hosted on the Rutgers Canvas learning management system. Once logged into Canvas, you will be able to access your textbook, recorded lectures, homework assignments, weekly recitations, exams/quizzes and conferences.

On Canvas, your weekly assignments will be posted every Saturday with an updated “Weekly agenda”. You will have from the Saturday the material is posted until the following Saturday to complete all the assignments. Weekly assignments include listening to lecture recordings and answering associated questions, completing the weekly interactive homework assignments, and submitting the recitation problem set. Your agenda will also include all the weekly meetings for the course.

There will be 3 exams during the course of the semester. These exams are taken in Canvas using LockDown Browser. Exam are given during the normal scheduled class time (Monday or Thursday 8:10 am – 9:30 am). I

will be available during the exams to assist with any technical issues. Short weekly quizzes will also be given on Canvas. The weekly quizzes, homework assignments, and recitation will provide you with the opportunity to apply your understanding of the material. This will pay off during the exam.

### **When and how will help be provided?**

The weekly meetings include office hours and recitations. While these meetings are not required, they are strongly encouraged and provide an outlet to ask questions and engage with myself and the TA.

### **What will you need to be successful in this course?**

Required Technology: High speed internet, computer, calculator.

Optional Technology: webcam, microphone, printer.

## **01:447:384 Genetic Analysis I**

### **What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

The classes will mostly be live lectures via BigBlueButton. We'll solve problems together in these sessions, and encourage you to ask questions during lectures. We'll also discuss current events related to Genetics. You'll be asked to participate in an on-line forum of questions and answers generated by the students and answered by students with the Professors, TA, and learning assistant as moderators. We'll record the lectures and recitations for anyone outside of the timezone or facing any hurdles. However, it will be strongly encouraged that you participate on schedule with the rest of the class. Participation during lectures and on the forum will count toward about 10% of your final grade.

Reading will be done before lecture (saving time for problem solving) and monitored with a short quiz worth 10% of the grade.

Recitations will be problem sets that you do on your own, improve on with a small collaborative team of students in BigBlueButton, and then review with the TA (or Professor for the honors recitation). Recitations will be held live during set times and worth 20% of your grade.

There will be 4 exams (problem based), taken during the lecture time (to promote academic integrity) worth 50% of your grade. The final will be worth 5%.

### **When and how will help be provided?**

On-line office hours will be available with the professor, TA, and learning assistant via BigBlueButton.

### **What will you need to be able to be successful in this course?**

High-speed internet, Laptop/Desktop

## 01:447:390 General Microbiology

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

The Microbiology lectures will be taught using primarily “asynchronous remote instruction”. The lecture course will be hosted on the Rutgers Canvas learning management system. Once logged into the Canvas lecture page, you will be able to access your textbook, recorded lectures, homework assignments, exams/quizzes and conferences. Your weekly assignments will be posted every Saturday with an updated “Weekly agenda”. You will have from the Saturday the material is posted until the following Saturday to complete all the assignments. Weekly assignments include listening to lecture recordings and answering associated questions and completing the weekly interactive homework assignments. Your agenda will also include all the weekly meetings for the course.

There will be 3 lecture exams during the course of the semester. These exams are taken in Canvas using LockDown Browser. Exams are given during the normal scheduled class time (Monday/Wednesday 1:40 pm – 3:00 pm). I will be available during the exams to assist with any technical issues. The lecture portion of the course is worth 50% of your total class grade and your lab portion is worth the remaining 50% of the grade. To pass the course, it is necessary to pass both the lecture and laboratory portions

**When and how will help be provided?**

The weekly meetings include office hours which are not required but are strongly encouraged as they provide an outlet to ask questions and get more detailed answers than you would receive in an email. Office hours will always take place during the scheduled course time (Monday/Wednesday 1:40 pm – 3:00 pm).

**What will you need to be successful in this course?**

Required Technology: High speed internet, computer, calculator.

Optional Technology: webcam, microphone, printer.

## 01:447:430 Effective Communications in Genetics

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

This course was designed to utilize an active learning environment format. Unfortunately, due to the Covid crisis, I had to convert the course to remote instruction. In converting this course, I have tried to maintain the active learning environment so that you will continue to have interactions with me and your classmates.

The converted course will use “synchronous remote instruction” format. This means that, on most dates, you will need to log into our online class, probably using Zoom, at the scheduled course time. Most of the classes will be group work and I will place you in small groups and utilize Zoom’s “Breakout Rooms” in which I can “visit” through the course time. There are some lectures, mostly early in the semester. For most of these, I recorded them ahead of time so you can watch them at a time that works for you. However, when I give lecture/presentation during the scheduled course time, I will use Zoom’s record function and later, provide a link.

There will be 3 online quizzes and an online homework assignment. I will also have office hours, but you will need to email me to schedule a time.

**When and how will help be provided?**

**What will you need to be able to be successful in this course?**

## **Molecular Biology and Biochemistry Courses (01:694)**

**01:694:215 and 01:694:316 Honors Introduction to Research in Molecular Biology**

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

In Fall 2020 the course will be given in an asynchronous manner. All of the content will be posted in videos and lecture notes on the course Canvas. Students will be expected to work through the chapters and take review quizzes on their own. There will be at least two 80 minute discussion periods each week where we will quickly review the content and then work through problems. These discussion sections will be recorded.

**When and how will help be provided?**

Dr. Vershon’s official hours are 7:00 AM to 10:00 AM (East Coast time) Tuesdays using the meeting software in Canvas. However, since the best time to ask questions and get help is during the online portions of the class. Students may also post their questions on the Chat tool on Canvas. We will regularly monitor this several times a day. We are available on-line at some points on nights and weekends. Students may also email or call us to make an appointment if you have problems or questions.

**01:694:230 Analytical Methods in Biology**

**What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

This course is synchronous. Detailed notes for the two lectures in each week will be provided to all students on the Friday before that week. The students will be expected to have read the lecture notes before coming to class. Each 80 minute class will start with a 45 minute formal presentation by the instructor on the content of the lecture notes.

For the remaining 35 minutes, the students will do a worksheet covering the material presented. This worksheet will be made available just before each class and should be easy to do if the students have read the lecture notes and attended the presentation earlier in the class. The instructor will be happy to answer questions during the time the students work on the worksheet during class. The purpose of the worksheets is to help the student absorb the key features of the lecture. Solutions to the worksheets must be e-mailed to the instructor within 1/2 hour of the end of the class. These worksheet solutions will count for 30% of the grade.

Class sessions will be recorded on video and made available to the students.

Home-work on the material covered during the week will be posted on Friday and will be due one week later. The homework will count as 30% of the grade. Students will be required to write a term paper on a topic they

will choose from a list provided by the instructor after the class has been in session for 6 weeks. This will count as 10% of the grade. There will be one mid-term and one final – both will be multiple-choice with a strict time limit. Each will be 15% of the grade.

### **When and how will help be provided?**

There will be 2 x 2 hour periods when the instructor will have online office hours where students can call in and ask questions. Additional individual contact times to address other student concerns will be by arrangement.

### **01:694:301 Introduction to Biochemistry and Molecular Biology**

#### **What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Concepts will be covered on a weekly basis. The list of topics and in which weeks they will be covered is listed in the course syllabus. Prior to the dates listed in the syllabus, lecture recordings will be posted on the class Canvas site. At the beginning of every week (after lecture recordings have been posted), a short quiz graded for effort and completeness will be given to both assess understanding and to inform which topics need to be covered more extensively during live interaction sessions with the teaching staff.

The grades in this class will be made up of:

92%: 4 equally weighted exams administered via lockdown browser

8%: Weekly quizzes to be completed

### **When and how will help be provided?**

During the week in which a topic is covered, aside from the pre-recorded lectures, there will be several opportunities for live meetings with both the Teaching Assistants and/or the course instructor, Dr. Villegas.

### **01:694:407 Biochemistry**

#### **What does “synchronous/asynchronous” mean for this course? When are expected and/or required to be online? Will there be regular deadlines for assignments/quizzes/etc. during the week?**

Concepts will be covered on a weekly basis. The list of topics and in which weeks they will be covered is listed in the course syllabus. Prior to the dates listed in the syllabus, lecture recordings will be posted on the class Canvas site.

At the beginning of every week (after lecture recordings have been posted), a short quiz graded for effort and completeness will be given to both assess understanding and to inform which topics need to be covered more extensively during live interaction sessions with the teaching staff.

The grades in this class will be made up of:

92%: 4 equally weighted exams administered via lockdown browser

8%: Weekly quizzes to be completed

### **When and how will help be provided?**

During the week in which a topic is covered, aside from the pre-recorded lectures, there will be several opportunities for live meetings with both the Teaching Assistants and/or the course instructor, Dr. Villegas.