

7.03 Syllabus:

Lectures. Regular attendance is expected (MWF at 11:00 in 10-250).

Recitation Sections. There is one required recitation per week. Recitation sections begin Monday, February 7.

Please attend the recitation section assigned by the registrar. If that recitation does not fit your schedule, you may change your recitation time through the course web site (<http://stellar.mit.edu/S/course/7/sp11/7.03/>). We will keep a waiting list for those wanting to switch into full sections. The list of recitation sections is below:

SECTION	DAY/TIME	ROOM	TEACHING ASSISTANT
R01	Mon/1:00	26-314	Sivakami Sambasivam
R02	Mon/2:00	26-314	Sivakami Sambasivam
R03	Mon/3:00	26-302	Sumi Sinha
R04	Mon/4:00	26-302	Sumi Sinha
R05	Tues/10:00	12-122	Sarah Whiteside
R06	Tues/11:00	12-122	Sarah Whiteside
R07	Tues/11:00	26-302	Diana Lu
R08	Tues/12:00	26-302	Diana Lu
R09	Tues/1:00	26-142	Zachary Whitfield
R10	Tues/2:00	26-142	Zachary Whitfield

Grades Your overall course grade is based on the following components:

Exams	3 X 100	=	300 points
Final Exam		=	200 points
Problem Sets	6 X 20	=	120 points
Total Points			620

Assessments During the semester there will be three exams, each worth 100 points. The first exam will be a take-home exam that you will have about five days to complete. The second and third exams will be 50 minutes long (11:05 to 11:55). Review sessions will be held prior to the second and third exam – locations and times for each review will be announced later in the semester. There will be six problem sets, each worth 20 points. Problem sets will be available for download on the course web site. Solutions to the problem sets will be posted after the problem set due date. Completed problem sets are to be handed in your teaching assistant's box outside room 68-120 by 3:00 PM on the due

date. A comprehensive final exam worth 200 points will be given during finals week. The final is a 3-hour cumulative exam that covers the entire course.

Handouts and StarGenetics Lecture handouts and other related materials will be available on the course web site. Some of the questions on the problem sets will be based on a simulator for yeast and *Drosophila* genetic crosses that we had developed for 7.03, known as Stargenetics. The simulator (a java applet) as well as the assigned problems can be downloaded by following links from the 7.03 web site.

Academic Honesty The first exam will be a five-day take-home exam designed to test basic comprehension of genetic principles rather than the ability to solve relatively simple problems quickly under time pressure. You are expected to work on this exam alone and your answers must be in your own words. For the problem sets, we encourage collaboration, but since they are graded assignments direct copying of problem set answers is not permitted. Each of you is entrusted to produce a set of answers in your own words. Students who copy problem sets or allow their answers to be copied will be assigned a 0 for that problem set and repeat offenders will be assigned a 0 for all the Problem Sets (20% of the course grade).

Re-grading of Exams. We retain a scanned copy of the exams after they are graded. If you believe there was an error in the grading of your exam, you may submit a written explanation of your re-grade request to your TA within three days of receiving your graded exam. Unclaimed exams and problem sets will be discarded at the end of the semester.

Missed Assignments. Any request to make-up a missed problem set or exam must be made through Student Support Services (<http://web.mit.edu/counsel/www/>). If the Dean approves your request, then we will accommodate you.

Adding the course after the first day of class. If you add the course after registration day, then you are responsible for all missed assignments (problem sets and exams). Speak with your teaching assistant or the course instructor to determine which assignments were missed.

Academic Assistance. Tutors are available for all students who desire extra help on either a one-time or a regular basis. Tutoring services are offered free of charge to everyone enrolled in 7.03. A list of tutors can be found below and on the course web site. Feel free to contact the tutors by e-mail to arrange meetings. If you must cancel a pre-arranged meeting, then please notify the tutors in advance. Additional student services are available through the MIT Academic Resource Center (<http://web.mit.edu/arc/>). Please utilize these valuable resources.

Text Book and Archive. The recommended textbook is “*Introduction to Genetic Analysis*” by Griffiths et al. / 9th edition and is available at the MIT Coop. Everyone has access to the textbook website (<http://www.whfreeman.com/iga9e>), which is a good resource. Our course website (<http://stellar.mit.edu/S/course/7/sp11/7.03/>) maintains an

archive that contains numerous problem set and exam questions from past semesters. Since the content of 7.03 is updated from year to year not all of the problems in the archive will be relevant to this year's course, nevertheless we strongly recommend that you use the archive to practice solving relevant problems in preparation for the exams.

Course Staff

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