

08/21/2021; vs5

Plant Molecular Biology – Fall 2021; Course No. 16:765:513 and 11:126:413
 Fall Semester Classes start Wednesday, September 1, 2021; end December 13, 2021;
 Thanksgiving Recess Nov. 25 – Nov. 28; Exams Dec. 16 – Dec. 22
 Cook/Douglass Lecture Hall, CDL-109; 3 College Farm Road, Bldg. No. 8840

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Dr. Eric Lam	eric.lam@rutgers.edu	Foran Hall, Rm. 216	848-932-6351

Mondays and Thursdays 11 am - 12:20 pm

Date	Topic	Lecturer
September 2 - Th	1. Transcription	PM
September 6 - M	Labor Day	
September 9 - Th	2. mRNA processing and turnover	PM
September 13 - M	3. Translation	PM
September 16 - Th	4. Protein stability and turnover	PM
September 20 - M	5. Subcellular protein targeting	PM
September 23 - Th	6. Regulation by small RNAs	PM
September 27 - M	7. Chloroplasts	PM
September 30 - Th	8. Mitochondria	PM
October 4 - M	First Hourly Exam	PM
October 7 - Th	9. Agrobacterium & Transgenic plants	PM
October 11 - M	10. Genome Engineering	PM
October 14 - Th	11. Functional genomics	JD
October 18 - M	12. Proteomics	JD
October 21 - Th	13. Cell-type specific analyses	JD
October 25 - M	14. Chromatin structure and dynamics	MZ
October 28 - Th	15. Epigenetics	JD
November 1 - M	16. Programmed Cell Death	EL
November 4 - Th	17. Light signaling	JD
November 8 - M	Second Hourly Exam	EL, PM, JD, MZ
November 11 - Th	18. Flower development	JD
November 15 - M	19. Meristem development	AG
November 18 - Th	20. Plant Hormones I -Auxin	AG
November 22 - M	21. Plant Hormones II	AG
November 25 - Th	Thanksgiving Recess November 25-28	
November 29 - M	22. Stem cells	JD
December 2 - Th	23. Plant cell cycle and mitoses	JD
December 6 - M	24. Cytoskeleton	JD
December 9 - Th	25. Cell-cell communication	JD
December 13 - M	Third Hourly Exam	JD, AG

Exams: The exams will be in short essay format, 10 questions each worth 10 points. The hourly exams are scheduled for October 4, 2021 and November 8, 2021 and December 13, 2021.

Grading: There will be three hourly exams, worth 30%/40%/30% of the final grade.

Attendance: This is an in-person class, attendance is required. Students can miss two classes, if the absence is justified and pre-approved by Drs. Maliga or Dong. Each additional absence will result in 5 point reduction from the final grade.

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PLANT MOLECULAR BIOL (11:126:413)

Index Section Exam Code

18363 01 C

PLANT MOLECULAR BIOL (16:765:513)

Index Section Exam Code

21652 01 A