Experience UC Merced 2017 - April 2 to April 6 & April 9 to April 13

In order to not disrupt classes, we ask visitors to please refrain from using their cell phones in class, arrive 5 minutes prior to the beginning of a class, and not to leave until the completion of the class time.

Monday

Time	Course Title	Course Description	Location	Seats Available
10:30 a.m. - 11:20 a.m.	CHEM 010H Honors Gen Chem II	Second semester of a two-semester general chemistry sequence. Addresses properties of gases, chemical thermodynamics, electrochemistry, chemical kinetics, quantum mechanics and spectroscopy, properties of solids and liquids, and nuclear chemistry. The concepts and quantitative skills introduced in lecture are reinforced by a discussion and laboratory section.	COB2 266	9
10:30 a.m. - 11:45 a.m.	BIO 161 Human Physiology	Understanding the mechanisms underlying function of major human organs. Emphasis includes neural transmission and action potential, cardiovascular, renal and gastrointestinal physiology, metabolism, and endocrinology. Laboratory experiments demonstrating and reinforcing topics covered in lecture with an emphasis on scientific method. **Class Only Available on 4/9 and 4/11**	SSB 130	3
11:30 a.m. - 12:20 p.m.	BIO 001 Contemporary Biology	Introduction to the major concepts in biology including origin of life, evolution, DNA, genes and genomes. Principles and patterns of inheritance, biotechnology, biodiversity, earth systems, environments and disease relationships in addition to ecosystem structures, function, nutrient cycles, pollution, and genotypes to phenotypes.	COB 102	4
12:30 p.m. - 1:20 p.m.	BIO 001 Contemporary Biology	Introduction to the major concepts in biology including origin of life, evolution, DNA, genes and genomes. Principles and patterns of inheritance, biotechnology, biodiversity, earth systems, environments and disease relationships in addition to ecosystem structures, function, nutrient cycles, pollution, and genotypes to phenotypes.	COB 102	2
4:30 p.m. - 5:30 p.m.	Professional Seminar	ENGR 191Presentation and discussion to help prepare students to find an internship and/or entry-level job and succeed in a professional environment.	COB 102	160

Tuesday

Time	Course Title	Course Description	Location	Seats Available
11:30 a.m. - 12:45 p.m.	PHYS 148 01 Modern Optics	Discusses light from the electromagnetic and geometrical perspectives. Students will learn about reflection and refraction, revisit and then expand upon geometrical optics, gain a deeper understanding of interference, and learn about polarization.	COB 205	9
3 p.m. - 4:15 pm	ENGR 130 Thermodynamics	Fundamentals of Equalibrium, temperature, energy and entropy. Equations of state and termodynamic properties, with engineering applications.	COB 2 130	21
4:30 p.m. - 5:45 p.m.	BIO/ESS 130 Plant Biology	Introduces students to the basics of plant biology. Topics covered include plant biochemistry and metabolism, anatomy, reproduction, evolution, and ecological interactions, as well as the interactions between plants and humans in the context of agriculture, medicine, and global change. Class **Only Available on 4/3, 4/10, and 4/12**	COB 263	3

Wednesday

Time	Course Title	Course Description	Location	Seats Available
10:30 a.m. - 11:20 a.m.	CHEM 010H Honors Gen Chem II	Second semester of a two-semester general chemistry sequence. Addresses properties of gases, chemical thermodynamics, electrochemistry, chemical kinetics, quantum mechanics and spectroscopy, properties of solids and liquids, and nuclear chemistry. The concepts and quantitative skills introduced in lecture are reinforced by a discussion and laboratory section.	COB2 266	9
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4:30 p.m. - 5:20 p.m.	ENGR 190 Capstone Design	Students will work on multidiscipinary teams on selected and approved design projects, practice design methodology, complete project feasibility analysis and preliminary design, including optimization, product reliability and liability, economics and application of engineering codes. Final report and presentation.	COB 102	160

Thursday

Time	Course Title	Course Description	Location	Seats Available
10:30 a.m. - 11:20 a.m.	NSUS 020 Success in NatSci Excellence	Training in the skills necessary to succeed at UC Merced and overview of opportunities in research, education, and careers in science. **Only Available on 4/5**	SSM 104	28
11:30 a.m. - 12:45 p.m.	PHYS 148 01 Modern Optics	Discusses light from the electromagnetic and geometrical perspectives. Students will learn about reflection and refraction, revisit and then expand upon geometrical optics, gain a deeper understanding of interference, and learn about polarization.	COB 205	9
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