Course	Title	Instructor	Will the lectures be synchronous (live), asynchronous, or both?	How will discussion and lab sections be conducted? Are they synchronous, asynchronous, or both?	Will the synchronous lecture, discussion, and/or lab material be recorded?	Is attendance in synchronous discussion sections required?	How will exams be administered?	Will exams be held at a scheduled time (e.g., during lecture)? Will they be timed but held over a longer time frame? Will they be take-home?	Will students in different time zones have options to take exams in their own time zone?	How will office hours be conducted?	Is any specific software or additional course material required?	Are there other important course logistics or requirements that students should be aware of?
CHE 2B (A)	General Chemistry	Donadio	Theory lectures are recorded asynchronously	Recorded synchronously so students can show up live, put posted so they can watch asychronously with no penalty.	Yes	No	One midterm and one final administered synchronously	Exams are held during the lecture time. No extra time required and upload time (10 min.) will be included in the allocated time	This will be arranged based on a query posted at the beginning of the quarter.	Synchronous, not recorded. Instructor and TA office hours are open for any student from any section to attend.	Textbook, homework software (OWL) and Chem-Elements are acquired in a bundle through equitable access	Exams are synchronous.
CHE 2B (B)	General Chemistry	Enderle	Recorded synchronously so students can show up live, put posted so they can watch asychronously with no penalty.	Recorded synchronously so students can show up live, put posted so they can watch asychronously with no penalty.	Yes	No, except for exams.	Two exams and one final administered synchronously.	held over a longer time frame? No, they will be shorter than if it were in-person. The additional time is for upload. Will they be take-home? No	I will post a tech survey at the start of the quarter. There will be a query there for this issue. Students who respond will be accommodated.	Synchronous, not recorded. Instructor and TA office hours are open for any student from any section to attend.	They can acquire our text, HW, lab program through EA, or figure out how to do it themselves.	Exams are synchronous.
CHE 2B (C)	General Chemistry	Duim	both	both	yes	no	synchronous	held at scheduled time during lecture	Students can make requests through their TA or instructor	Live	homework (OWLv2) and lab software will be availavble through EA	Final is synchronous
CHE 2C (A)	General Chemistry	Chamberlain	Asynchronous	Recorded synchronously so students can show up live, put posted so they can watch asychronously with no penalty.	Yes	No	Synchronous	Exams will be held at scheduled time during lecture. They will not last longer than the lecture time with uploading included. They will not be take-home.	No.	Synchronous. Instructor office hours are recorded; TA office hours are not recorded.	Homework (OWLv2) and lab software will be availavble through EA, plus Zoom, webcam, and a microphone.	All exams and the final exam are synchronous.
CHE 2C (B)	General Chemistry	Longaker	both	both	yes	no	synchronous	Held during lecture hours, timed.	yes, but it is scheduled for west coast time during regular lecture hours	zoom and Canvas discussion, not recorded	Zoom, webcam and microphone	None
CHE 2C (C)	General Chemistry	Ochoa	Both	Both	Recorded	Optional	Synchronous	Held during lecture hours, timed.	On a student to student basis	Zoom and Canvas discussion, not recorded	Zoom, webcam and microphone	None
CHE 2C (D)	General Chemistry	Larsen										
CHE 2CH	Honors Gen Chem	Britt										
CHE 8A	Organic Chem Brief	Ochoa	Both	N/A	N/A	N/A	Synchronous	Held during lecture hours, timed.	On a student to student basis	Zoom and Canvas discussion, not recorded	Zoom, webcam and microphone	None
CHE 105	Anly & Phys Chem Methods	Atsumi	Both	Both	Yes	No	NA	NA	NA	Zoom	Zoom, webcam and microphone	None
CHE 107B	Phys Chem Life Sci	Toney										
CHE 108	Molecular Biochemistry	Ames	Both	N/A	Yes	No	Synchronous	Held at scheduled time during lecture	Yes	Zoom	Zoom, webcam and microphone	None
CHE 110A	Phys Chem: Quantum Mech	Wang										
CHE 110C	Phys Chem: Thermo & Kin	Stuchebrukhov										
CHE 118B	Organic Chem Health Sci	Nasiri	Prerecorded	Synchronous	Lab, yes	Yes	Synchronous	During lecture	No	Zoom	No	All exams are synchronous
CHE 118C	Organic Chem Health Sci	Nasiri	Prerecorded	Synchronous	Lab, yes	Yes	Synchronous	During lecture	No	Zoom	No	All exams are synchronous
CHE 118C	Organic Chem Health Sci	Lievens	asynchronous	NA	Lab, Yes and recorded	May attend live or watch recording	asynchronous	timed open for 24 hours,	yes.	zoom	no	no
CHE 124A	Inorg Fundamentals	Kauzlarich	Recorded synchronously so students can show up live, put posted so they can watch asychronously with no penalty.	N/A	Yes	No	2 midterms asynchronous	Exams are the same length as an in class 50 minute exam, given as open book, open notes, with 24 hours to complete.	Yes, but it is scheduled for west coast time during regular lecture hours.	half asynchronous and half synchronous via Zoom, Canvas discussion boards,	readomg, homework, videos provided on Canvas; no special software required	quizes on-line, weekly graded short problem sets, on-line group work during synchronous time (material is available to all students).
CHE 124C	Inorg D & F Block	Berben	both	na	yes	no	gradescope	yes and yes	I will choose a time that accomodates time zones as best as possible	synchronous, not recorded	no	no
CHE 124L	Lab Methods Inorg Chem	Power	asynchronous	asynchronous	recorded	no	no exams	n/a	n/a	zoom	zoom	no
CHE 125	Adv Methods Phys Chem	Augustine										

CHE 128B	Organic Chemistry	Beal	Both	Both	Yes	No	24 hour window with timed varied versions	24-hour window, timed exams, window starts at beginning of lecture, various versions will be live at different times.	Appointments are open for students in different time zones.	Normal office hours will be conducted weekly during business hours of PST time zone. They will be recorded.	No	No
CHE 128C	Organic Chemistry	Mascal										
CHE 129B	Organic Chem Lab	AI--TBD										
CHE 129C	Organic Chem Lab	AI--TBD										
CHE 130B	Pharmaceutical Chem	Siegel	both	synchronous	lecture -yes; lab - no	no	project based	project based	project based	on-demand	yes - provided with computer lab	no
CHE 135	Adv Bio-Organic Chem Lab	Lievens	Recorded	NA	Yes	Yes	NA	NA	Yes as necessary	Zoom		Lab is offered in person, if students are not available in person remote options are available.
CHE 155	Sci Programming for Chem	Crabtree	Live	NA	Yes	NA	NA	NA	NA	Synchronous, not recorded	Anaconda/JupyterLab	Students should have prior introductory python experience
CHE 150	Natural Products	Chen	Synchronous	N/A	Yes. The lecture records will be made available via Canvas right after the lectures.	N/A	Synchronous, open book	Yes, same amount of time as in-person classes. The students will be given additional time for download and upload exams.	No.	Synchronous	ChemDraw (accessible to students without fee via campus license)	One midterm exam will be held in one of the lecture time. The final exam will be held on the assigned time as in-person course. Both exams are synchronous.
CHE 210B	Quantum Chem: Time Dep	McCurdy										
CHE 216	Magnet Reson Spectr	Murray	Both	N/A	Yes	N/A	asynchronous	1 day to 1 week, depending on the assessment	No	Zoom	Not in relation to remote instruction	No
CHE 217	X-Ray Struct Deter	Fisher	Both	N/A	Yes	N/A	asynchronous	12 hour window	No	zoom	Yes, additional software, which is free	None
CHE 231B	Advanced Organic Synthesis	Tantillo	Both	NA	Yes	NA	asynchronous	longer time frame	time frame covers multiple time zones	Zoom	no	no
CHE 241E	Microscopy & Imaging Tec	Liu										
CHE 245	Mechanistic Enzymology	Toney										
CHE 294	Present Chem Research	Velazquez										