



2019 Tentative Course List

UG Courses offered during the 2019 Fall Term



Please Note:

- **This list is subject to change.** Additional courses will be added as we get closer to the start of the fall semester. Final term offerings and confirmed class schedules are expected to be available in August 2019.
 - **All courses listed in the *Humanities, Languages & Culture Courses* section (highlighted in blue) are for reference only.** Courses in these subjects will be added during the months preceding the fall semester.
- **The U-M equivalencies below apply to CoE students only.** ALL participants, regardless of college/school affiliation, should work closely with their academic advisor and college-specific registrar to ensure they have a clear understanding of how these courses will fulfill degree requirements.
- Please visit the [UM-SJTU Joint Institute Course Directory](#) for course descriptions, prerequisites and co-requisites (if any).
- Courses that list a UM Equivalency as *PENDING* have been submitted to the CoE Credit Evaluator for transfer credit approval.
- **ALWAYS** double-check the [CoE Course Equivalency Database](#) to ensure that the U-M equivalents listed are accurate and valid.

Joint Institute (JI) Course Code & Title	JI Credits	U-M CoE Equivalency	CoE Intellectual Breadth/Minors	U-M Credits
VC210 Chemistry	4	CHEM 125/130		4
VE203 Discrete Mathematics	4	EECS 203		4
VE215 Intro to Circuits	4	EECS 215		4
VE230 Electromagnetics I	4	EECS 230		4
VE270 Introduction to Logic Design	4	EECS 270		4
VE280 Programming & Introduction to Data Structures	4	EECS 280		4
VE300 Tech Communication	1	TCHNCLCM 300		1
VE311 Electronic Circuits	4	EECS 311		4
VE312 Digital Integration Circuits	4	EECS 312		4
VE334 Principles of Optics	4	EECS 334		4
VE370 Intro to Computer Organization	4	NOT TRANSFERABLE		0
VE450 Major Design Experience(MDE)	4	NOT TRANSFERABLE		0
VE455 Digital Communication Signals & Systems	4	EECS 455		4
VE477 Introduction to Algorithms	4	EECS 300-level dept.		4
VE482 Introduction to Operating Systems	4	EECS 300-level dept.		4
VE496 Advanced Technical Communication	2	TCHNCLCM 300		1

VE501	Probability and Random Processes	4	EECS 501		3
VG100	Intro to Engineering	4	ENGR 100		4
VG101	Intro to Computers & Programming	4	ENGR 101		4
VG450	Global Multidisciplinary Design Project I (GMDP)	4	ENGR 455 (Global MDP only)		4
VG496	Professional Ethics	2	PHIL 300-level dept.	Humanities (HU)	2
VM020	Machine Shop Training	1	NOT TRANSFERABLE		0
VM211	Intro to Solid Mechanics	4	MECHENG 211		4
VM235	Thermodynamics	3	MECHENG 235		3
VM320	Fluid Mechanics	3	MECHENG 320		3
VM382	Mechanical Behavior of Materials	4	MECHENG 382		4
VM395	Laboratory I	4	MECHENG 395		4
VM450	Design and Manufacturing III	4	NOT TRANSFERABLE		0
VM461	Automatic Control	3	MECHENG 461		3
VM495	Laboratory II	4	NOT TRANSFERABLE		0
VP240	Physics II	4	PHYSICS 240		4
VP241	Physics Lab II	1	PHYSICS 241		1
VP260	Honors Physics II	4	PHYSICS 240		4
VR102	Chinese History in Global Perspective	3	HISTORY 100-level dept.	Humanities (HU)	3
VR203	Food in Modern East Asian History	4	ASIAN 300-level dept.	Humanities (HU)	4
VR265	Introduction to Chinese Philosophy	3	PHIL 200-level dept.	Humanities (HU)	3
VR369	Politics of International Economic Relations	3	POLSCI 369	Social Science (SS)	3
VV115	Calculus I	4	MATH 100-level dept.		4
VV156	Honors Calculus II	4	MATH 156		4
VV186	Honors Math II	4	MATH 186		4
VV216	Calculus IV	4	MATH 216		4
VV256	Honors Calculus IV	4	MATH 256		4
VV286	Honors Math IV	4	MATH 316		4
VW110	German I	2	GERMAN 100-level dept.		2
VW111	German II	2	GERMAN 100-level dept.		2
VW210	German III	2	GERMAN 200-level dept.		2
VW211	German IV	2	GERMAN 200-level dept.		2
VW310	German V	2	GERMAN 200-level dept.		2
VX422	E-Business Management	3	BA 400-level dept.		3
VX440	Introduction to Social Entrepreneurship	3	BA 300-level dept.		3
VY100	Academic Writing I	4	ENGCMPTC 100-level dept.		4
VZ011	Chinese I-A	2	ASIANLAN 100-level dept.		2
VZ012	Chinese I-B	2	ASIANLAN 100-level dept.		2

VZ021	Chinese II-A	2	Not Submitted for Evaluation		TBD
VZ022	Chinese II-B	2	Not Submitted for Evaluation		TBD
VZ102	Introduction to Chinese Culture	2	ASIAN 100-level dept.	Humanities (HU)	2