

**Applied Math for the Life & Social Sciences Course List - Spring 2016**

**ASU School of Human Evolution and Social Change**

Advising website: <https://shesc.asu.edu/advising> • E-mail: [shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)

Last updated 10/23/2016. Subject to change. Please check the Spring 2016 schedule of classes for latest updates: <https://webapp4.asu.edu/catalog/>.

Requirement	Course	Title	Units	Dates	Days	Start	End	GS	Instructor
Intro Class**	AML 100	Intro to Applied Math for Life & Social Science	3	01/11 - 04/29 (C)	M W	Noon	1:15 PM	MA	Nagy
New Modeling Course	AML 294	Continuous Models in the Life and Social Sciences	3	01/11 - 04/29 (C)	T Th	10:30 AM	11:45 AM		Castillo-Chavez
Capstone**	AML 406	Directed Reading & Research for Applied Math	3	01/11 - 04/29 (C)	TBA	TBA	TBA		Mubayi
Life Sciences	ASM 342	Evolution of Human Behavior	3	01/11 - 04/29 (C)	T Th	9:00 AM	10:15 AM		Mathew
Life Sciences	BCH 361	Principles of Biochemistry	3	01/11 - 04/29 (C)	Various	Various	Various		Various
Life Sciences	BIO 320	Fundamentals of Ecology	3	01/11 - 04/29 (C)	Various	Various	Various		Various
Life Sciences***	BIO 394	Topic: From Cells to Societies	3	01/11 - 03/14 (A)	iCourse	iCourse	iCourse		Anderies
Life Sciences	BIO 410	Techniques in Conservation Biology and Ecology	3	01/11 - 04/29 (C)	F	Noon	12:50 PM	L	Smith
Life Sciences	BIO 411	Quantitative Methods in Conservation and Ecology	3	01/11 - 04/29 (C)	T	10:30 AM	1:00 PM		Gerber
Life Sciences	BIO 423	Population & Community Ecology	3	01/11 - 04/29 (C)	T Th	9:00 AM	10:15 AM		Sabo
Life Sciences	BIO 355	Introduction to Computational Molecular Biology		01/11 - 04/29 (C)	M W	Noon	1:15 PM	CS	Crook
Life Sciences	HCD 300	Biostatistics (also listed as PBH 300)	3	01/11 - 04/29 (C)	T Th	10:30 AM	11:45 AM	CS	McCullough
Social Sciences***	ASB 394	Topic: From Cells to Societies	3	01/11 - 03/14 (A)	iCourse	iCourse	iCourse		Anderies
Social Sciences	ASM 465	Quantification and Analysis for Anthropologists	3	01/11 - 04/29 (C)	T Th	3:00 PM	4:15 PM	CS	Abbott
Social Sciences	GCU 350	The Geography of World Crises	3	03/14 - 04/29 (B)	iCourse	iCourse	iCourse	SB & G	Larson
Social Sciences	GCU 441	Economic Geography	3	01/11 - 04/29 (C)	T Th	10:30 AM	11:45 AM	SB	O'Huallachain
Social Sciences	GCU 496	Geographic Research Methods	3	01/11 - 04/29 (C)	Th	4:30 PM	7:15 PM	L	Cerveney
Social Sciences	GIS 341	Intro to Cartography and Georepresentation	3	01/11 - 04/29 (C)	T	4:30 PM	7:15 PM	CS	Deitrick
Social Sciences	GIS 470	Statistics for Geographers	3	01/11 - 04/29 (C)	Various	Various	Various	CS	Various
Social Sciences	GIS 471	Geographic Information Analysis	3	01/11 - 04/29 (C)	T Th	10:30 AM	11:45 AM		Rey
Social Science	JUS 301	Research in Justice Studies	3	Various	Various	Various	Various	SB	Various
Social Science	JUS 302	Statistical Analysis for Justice Studies	3	Various	Various	Various	Various	CS	Various
Social Science	POS 301	Empirical Political Inquiry	3	Various	Various	Various	Various	SB	Various
Social Science	POS 401	Political Statistics	3	Various	Various	Various	Various	CS	Various
Social Science	SOC 331	Environmental Sociology	3	01/11 - 04/29 (C)	T Th	10:30 AM	11:45 AM	SB & G	Keahey
Social Science	SOC 390	Social Sciences Statistics	3	01/11 - 04/29 (C)	Various	Various	Various	CS	Various
Social Science	SOC 391	Research Methods	3	01/11 - 04/29 (C)	Various	Various	Various	L or SB	Various
Applied Math***	ASB 394	Topic: From Cells to Societies	3	01/11 - 03/14 (A)	iCourse	iCourse	iCourse		Anderies
Applied Math	MAT 300	Mathematical Structures	3	01/11 - 04/29 (C)	Various	Various	Various	L	Various
Applied Math	MAT 343	Applied Linear Algebra	3	Various	Various	Various	Various		Various
Applied Math	MAT 355	Introduction to Computational Molecular Biology	3	01/11 - 04/29 (C)	M W	Noon	1:15 PM	CS	Crook
Applied Math	MAT 371	Advanced Calculus I	3	01/11 - 04/29 (C)	T Th	Various	Various		Various
Applied Math	MAT 421	Applied Computational Methods	3	01/11 - 04/29 (C)	M W F	10:30 AM	11:20 AM	CS	Welfert
Elective	HCD 300	Biostatistics (also listed as PBH 300)	3	01/11 - 04/29 (C)	T Th	10:30 AM	11:45 AM	CS	McCullough
Elective***	SOS 394	Topic: From Cells to Societies	3	01/11 - 03/14 (A)	iCourse	iCourse	iCourse		Anderies
Elective	STP 226	Elements of Statistics	3	Various	Various	Various	Various	CS	Various
Elective	STP 231	Statistics for Biosciences	3	01/11 - 04/29 (C)	Various	Various	Various	CS	Various
Elective	STP 420	Introductory Applied Statistics	3	01/11 - 04/29 (C)	Various	Various	Various	CS	Various
Elective	STP 421	Probability	3	01/11 - 04/29 (C)	T Th	Various	Various		Various

\*This is a hybrid course with an in-class and online component.

\*\*Departmental consent needed to enroll. E-mail [shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu) to request an override & please be sure to include your 10-digit ASU ID # in that request e-mail.

\*\*\*This course, From Cells to Societies, is being offered as an ASB, BIO, or SOS course. Students are welcome to sign up for any of these versions. This class can apply to the AMLSS degree as a Life Sciences, Social Sciences, Applied Math, or AMLSS elective. Please send your SHESC advisor an e-mail to let them know how you wish to have this course applied to your DARS for the major. Not sure who your advisor is? Please check <http://shesc.asu.edu/advising> web page for names, advising assignments, and e-mail addresses.