

Applied Math for the Life & Social Sciences Course List - Spring 2015

ASU School of Human Evolution and Social Change

Advising website: <https://shesc.asu.edu/advising> • E-mail: shesc.undergrad@asu.edu

Last updated 10/24/2014. Subject to change. Please check the Spring 2015 schedule of classes for latest updates.

Requirement	Course	Title	Units	Dates	Days	Start	End	GS	Instructor
Intro Class**	AML 100	Intro to Applied Math for Life & Social Science	3	01/12 - 05/01 (C)	T Th	9:00 AM	10:15 AM	MA	Janssen
Modeling Course	AML 253	Intro to Math Tools & Modeling	3	01/12 - 05/01 (C)	T Th	3:00 PM	4:15 PM		Qubbaj
Capstone	AML 406	Directed Reading & Research for Applied Math	3	01/12 - 05/01 (C)	TBD	TBD	TBD		Bichara
Life Sciences	BCH 361	Principles of Biochemistry	3	01/12 - 05/01 (C)	Varies	Varies	Varies		Varies
Life Sciences	BIO 302	Cancer--Mother of All Diseases	3	01/12 - 05/01 (C)	T Th	Noon	1:15 PM	L	Compton
Life Sciences	BIO 320	Fundamentals of Ecology	3	01/12 - 05/01 (C)	Varies	Varies	Varies		Varies
Life Sciences***	BIO 394	From Cells to Society	3	01/12 - 03/03 (A)	iCourse	iCourse	iCourse		Anderies
Life Sciences	BIO 410	Techniques of Conservation Biology and Ecology	3	01/12 - 05/01 (C)	F	Noon	12:40 PM	L	Smith
Life Sciences	BIO 411	Quantitative Methods in Conservation & Ecology	4	01/12 - 05/01 (C)	T Th	9:00 AM	11:45 AM		Gerber
Life Sciences	BIO 423	Population & Community Ecology	3	01/12 - 05/01 (C)	M W	3:00 PM	4:15 PM		Ogle
Social Sciences***	ASB 394	From Cells to Society	3	01/12 - 03/03 (A)	iCourse	iCourse	iCourse		Anderies
Social Sciences*	ASB 430	Social Stimulation (Hybrid)	4	01/12 - 05/01 (C)	W	9:00 AM	10:15 AM	CS	Janssen
Social Sciences	ASM 465	Quantification and Analysis for Anthropologists	3	01/12 - 05/01 (C)	T Th	3:00 PM	4:15 PM	CS	Abbott
Social Sciences	GIS 205	Geographic Info Technologies	3	01/12 - 05/01 (C)	M W	3:00 PM	4:15 PM	CS	Fotheringham
Social Sciences	GIS 341	Introduction to Cartography and Georepresentation	3	01/12 - 05/01 (C)	T Th	1:30 PM	2:45 PM	CS	Deitrick
Social Sciences	GCU 350	The Geography of World Crises	3	01/12 - 05/01 (C)	iCourse	iCourse	iCourse	SB & G	Larson
Social Sciences	GCU 441	Economic Geography	3	01/12 - 05/01 (C)	T Th	10:30 AM	11:45 AM	SB	O'Huallachain
Social Sciences	GCU 496	Geographic Research Methods	3	01/12 - 05/01 (C)	T Th	10:30 AM	11:45 AM	L	Salon
Social Sciences	GIS 470	Statistics for Geographers	3	01/12 - 05/01 (C)	T Th	9:00 AM	10:15 AM	CS	Kuby
Social Sciences	GIS 470	Statistics for Geographers	3	01/12 - 05/01 (C)	M W F	10:30 AM	11:20 AM	CS	Schmeeckle
Social Sciences	GIS 471	Geographic Info Analysis	3	01/12 - 05/01 (C)	T Th	10:30 AM	11:45 AM		Rey
Social Science	JUS 301	Research in Justice Studies	3	Varies	Varies	Varies	Varies	SB	Varies
Social Science	JUS 302	Statistical Analysis for Justice Studies	3	Varies	Varies	Varies	Varies	CS	Varies
Social Science	POS 301	Empirical Political Inquiry	3	Varies	Varies	Varies	Varies	SB	Varies
Social Science	POS 401	Political Statistics	3	Varies	Varies	Varies	Varies	CS	Varies
Social Science	SOC 390	Social Sciences Statistics	3	01/12 - 05/01 (C)	Varies	Varies	Varies	CS	Varies
Social Science	SOC 391	Research Methods	3	01/12 - 05/01 (C)	Varies	Varies	Varies	L or SB	Varies
Applied Math*	AML 330	Social Stimulation (Hybrid)	4	01/12 - 05/01 (C)	W	9:00 AM	10:15 AM	CS	Janssen
Applied Math***	AML 394	From Cells to Society	3	01/12 - 03/03 (A)	iCourse	iCourse	iCourse		Anderies
Applied Math	MAT 300	Mathematical Structures	3	01/12 - 05/01 (C)	Varies	Varies	Varies	L	Varies
Applied Math	MAT 343	Applied Linear Algebra	3	Varies	Varies	Varies	Varies		Varies
Applied Math	MAT 355	Introduction to Computational Molecular Biology	3	01/12 - 05/01 (C)	M W	Noon	1:15 PM		Crook
Applied Math	MAT 371	Advanced Calculus I	3	01/12 - 05/01 (C)	Varies	Varies	Varies		Varies
Applied Math	MAT 451	Mathematical Modeling	3	01/12 - 05/01 (C)	T Th	9:00 AM	10:15 AM	CS	Armbrusher
Applied Math	MAT 494	Earth System Models	3	01/12 - 05/01 (C)	F	3:00 PM	5:30 PM		Mahalov
Elective	ASM 201	Outbreaks and Epidemics	3	01/12 - 05/01 (C)	T Th	3:00 PM	4:15 PM		Hurtado
Elective	SSH 201	Outbreaks and Epidemics	3	01/12 - 05/01 (C)	T Th	3:00 PM	4:15 PM		Hurtado
Elective***	SOS 394	From Cells to Society (or AML 394 or ASB 394 or BIO 394)	3	01/12 - 03/03 (A)	iCourse	iCourse	iCourse		Anderies
Elective	STP 226	Elements of Statistics	3	Varies	Varies	Varies	Varies	CS	Varies
Elective	STP 231	Statistics for Biosciences	3	01/12 - 05/01 (C)	Varies	Varies	Varies	CS	Varies
Elective	STP 420	Introductory Applied Statistics	3	Varies	Varies	Varies	Varies	CS	Varies
Elective	STP 421	Probability	3	01/12 - 05/01 (C)	Varies	Varies	Varies		Varies

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

**Departmental consent needed to enroll. E-mail 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 AML, ASB, BIO, or SOS course. Students are welcome to sign up for any of these versions. The class can apply to the AMLSS degree as well as 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 the <https://shesc.asu.edu/advising> web page for names, advising assignments, and e-mail addresses.