

Applied Math for the Life & Social Sciences Course List - Spring 2014

ASU School of Human Evolution and Social Change

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

Last updated 10/21/13. Subject to change. Please check Spring 2014 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	01/13 – 05/02 (C)	T TH	9:00 AM	10:15 AM	MA	Marcus Janssen
Modeling Course	AML 253	Intro to Math Tools & Modeling	3	01/13 – 05/02 (C)	T TH	3:00 PM	4:15 PM		Rachata Muneeppeerakul
Capstone	AML 406	Directed Reading & Research for Applied Math	3	01/13 – 05/02 (C)	TBD	TBD	TBD		Staff
Life Sciences	BCH 361	Principles of Biochemistry	3	01/13 – 05/02 (C)	VARIOUS	VARIOUS	VARIOUS		VARIOUS
Life Sciences	BIO 320	Fundamentals of Ecology	3	01/13 – 05/02 (C)	VARIOUS	VARIOUS	VARIOUS		VARIOUS
Life Sciences***	BIO 394	From Cells to Societies	3	03/17 – 05/02 (B)	ONLINE	ONLINE	ONLINE		John Anderies
Life Sciences	BIO 410	Techniques of Conservation Biology and Ecology	3	01/13 – 05/02 (C)	F	Noon	12:50 PM	L	Smith & Pearson
Life Sciences	BIO 411	Quantitative Methods in Conservation and Ecology	3	01/13 – 05/02 (C)	M W	9:00 AM	11:45 AM		Leah Gerber
Life Sciences	PSY 394	Neuroeconomics: Decision Making & the Brain**	3	01/13 – 05/02 (C)	T	4:30 PM	7:15 PM		Federal Sanabria
Social Science*	AML 330	Social Simulation (hybrid)	3	01/13 – 05/02 (C)	M	10:30 AM	11:45 AM	CS	Marcus Janssen
Social Sciences***	ASB 394	From Cells to Societies	3	03/17 – 05/02 (B)	ONLINE	ONLINE	ONLINE		John Anderies
Social Science	ASB 416	Economic Anthropology	3	01/13 – 05/02 (C)	T TH	9:00 AM	10:15 AM	L or SB	Abigail York
Social Science*	ASB 430	Social Simulation (hybrid)	3	01/13 – 05/02 (C)	M	10:30 AM	11:45 AM	CS	Marcus Janssen
Social Science	ASM 345	Disease and Human Evolution	3	03/17 – 05/02 (B)	ONLINE	ONLINE	ONLINE		Anne Stone
Social Science	ASM 465	Quantification & Analysis for Anthropologists	3	01/13 – 05/02 (C)	T TH	10:30 AM	11:45 AM	CS	Dave Abbott
Social Science	GCU 350	The Geography of World Crises	3	01/13 – 05/02 (C)	ONLINE	ONLINE	ONLINE	SB & G	Elizabeth Larson
Social Science	GCU 495	Quantitative Methods in Geography & Planning	3	01/13 – 05/02 (C)	VARIOUS	VARIOUS	VARIOUS	CS	VARIOUS
Social Science	GCU 496	Geographic Research Methods	3	01/13 – 05/02 (C)	T TH	10:30 AM	11:45 AM	L	Ronald Dorn
Social Science	GPH 370	Geographic Information Technologies	3	01/13 – 05/02 (C)	M W F	10:30 AM	11:20 AM	CS	Barbara Trapido-Lurie
Social Science	GPH 371	Introduction to Cartography and Georepresentation	3	01/13 – 05/02 (C)	T TH	1:30 AM	2:45 PM	CS	Stephanie Deitrick
Social Science	GPH 483	Geographic Information Analysis	3	01/13 – 05/02 (C)	T TH	Noon	1:15 PM		Sergio 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	Marilyn Dantico
Social Science	SOC 390	Social Sciences Statistics	3	01/13 – 05/02 (C)	VARIOUS	VARIOUS	VARIOUS	CS	VARIOUS
Social Science	SOC 391	Research Methods	3	01/13 – 05/02 (C)	VARIOUS	VARIOUS	VARIOUS	L or SB	VARIOUS
Social Science	SOC 498	Epidemics and Society	3	01/13 – 05/02 (C)	TH	4:30 PM	7:15 PM		Victor Agadjanian
Applied Math***	AML 394	From Cells to Societies	3	03/17 – 05/02 (B)	ONLINE	ONLINE	ONLINE		John Anderies
Applied Math	MAT 300	Mathematical Structures	3	01/13 – 05/02 (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 Computation Molecular Biology	3	01/13 – 05/02 (C)	M W	Noon	1:15 PM		Sharon Crook
Applied Math	MAT 371	Advanced Calculus I	3	01/13 – 05/02 (C)	VARIOUS	VARIOUS	VARIOUS		VARIOUS
Applied Math	MAT 394	Forensic DNA Forensic	3	01/13 – 05/02 (C)	M W	3:00 PM	4:15 PM		Jesse Taylor
Applied Math	MAT 394	Mathematics and Climate	3	01/13 – 05/02 (C)	T TH	Noon	1:15 PM		Kostelich & Mahalov
Applied Math	MAT 494	Mathematica and Social Media	3	01/13 – 05/02 (C)	T TH	10:30 AM	11:45 AM		Haiyan Wang
Elective	STP 226	Elements of Statistics	3	01/13 – 05/02 (C)	VARIOUS	VARIOUS	VARIOUS	CS	VARIOUS
Elective	STP 231	Statistics for Biosciences	3	01/13 – 05/02 (C)	VARIOUS	VARIOUS	VARIOUS	CS	VARIOUS
Elective	STP 326	Intermediate Probability	3	01/13 – 05/02 (C)	M W	4:30 PM	5:45 PM	CS	Toni Garcia
Elective	STP 420	Introductory Applied Statistics	3	01/13 – 05/02 (C)	VARIOUS	VARIOUS	VARIOUS	CS	VARIOUS
Elective	STP 421	Probability	3	01/13 – 05/02 (C)	VARIOUS	VARIOUS	VARIOUS		VARIOUS

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

**Departmental consent needed to enroll: see course notes in Spring 2014 schedule for details.

***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 a Life Sciences, Social Sciences, Applied Math, or AMLSS elective. Please send your SHESC advisor an e-mail to let me 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.