

Applied Math for the Life & Social Sciences Course List - Spring 2017
ASU School of Human Evolution and Social Change

Advising website: <https://shesc.asu.edu/undergraduate-experience/academic-advising> • E-mail: shesc.undergrad@asu.edu
 Last updated 11/09/2016. Subject to change. Please check the Spring 2017 schedule of classes for latest updates: <https://webapp4.asu.edu/catalog/>.

| Requirement | Course | Title | Units | Dates | Days | Start | End | GS | Instructor |
|-----------------|---------|---|-------|-------------------|---------|----------|----------|---------|---------------------|
| Intro Class** | AML 253 | Intro to Math Tools & Modeling for Life and Social Sciences | 3 | 01/09 - 04/28 (C) | T Th | 10:30 AM | 11:45 AM | | Paredes & Gutierrez |
| Capstone** | AML 406 | Directed Reading & Research for Applied Math | 3 | 01/09 - 04/28 (C) | TBA | TBA | TBA | | Staff |
| Life Sciences | BCH 361 | Principles of Biochemistry | 3 | 01/09 - 04/28 (C) | Various | Various | Various | | Various |
| Life Sciences | BIO 302 | Cancer-Mother of All Diseases | 3 | 01/09 - 04/28 (C) | M W | 4:35 PM | 5:50 PM | L | Compton |
| Life Sciences | BIO 320 | Fundamentals of Ecology | 3 | 01/09 - 04/28 (C) | Various | Various | Various | | Various |
| Life Sciences | BIO 355 | Introduction to Computational Molecular Biology | 3 | 01/09 - 04/28 (C) | M W | 12:15 PM | 1:30 PM | CS | Crook |
| Life Sciences | BIO 394 | Topic: From Cells to Societies | 3 | 01/09 - 02/28 (A) | iCourse | iCourse | iCourse | | Staff |
| Life Sciences | BIO 410 | Techniques in Conservation Biology and Ecology | 3 | 01/09 - 04/28 (C) | F | Noon | 12:50 PM | L | Throop |
| Life Sciences | BIO 411 | Quantitative Methods in Conservation and Ecology | 4 | 01/09 - 04/28 (C) | T | 10:30 AM | 1:00 PM | | Gerber |
| Life Sciences | BIO 415 | Biometry | 4 | 01/09 - 04/28 (C) | T Th | 10:30 AM | 11:45 AM | CS | Pratt |
| Life Sciences | BIO 423 | Population & Community Ecology | 3 | 01/09 - 04/28 (C) | T Th | 9:00 AM | 10:15 AM | | Collins |
| Life Sciences | EXW 444 | Epidemiology | 3 | Various | Various | Various | Various | | Various |
| Life Sciences | HCD 300 | Biostatistics (also listed as PBH 300) | 3 | 01/09 - 04/28 (C) | T Th | 10:30 AM | 11:45 AM | CS | Trembath |
| Social Sciences | ASM 465 | Quantification and Analysis for Anthropologists | 3 | 01/09 - 04/28 (C) | T Th | 3:00 PM | 4:15 PM | CS | Abbott |
| Social Sciences | EXW 444 | Epidemiology | 3 | Various | Various | Various | Various | | Various |
| Social Sciences | GCU 441 | Economic Geography | 3 | 01/09 - 04/28 (C) | T Th | 10:30 AM | 11:45 AM | SB | O'Huallachain |
| Social Sciences | GCU 496 | Geographic Research Methods | 3 | 01/09 - 04/28 (C) | M W | 3:05 PM | 4:20 PM | L | Hondula |
| Social Sciences | GIS 205 | Geographic Information Technologies | 3 | 01/09 - 04/28 (C) | M W | 3:05 PM | 4:20 PM | CS | Fotheringham |
| Social Sciences | GIS 341 | Intro to Cartography and Georepresentation | 3 | 03/13 - 04/28 (B) | iCourse | iCourse | iCourse | CS | Trapido-Lurie |
| Social Sciences | GIS 461 | Optimization Fundamentals for Spatial Analysis | 3 | 01/09 - 04/28 (C) | Th | 9:00 AM | 10:15 AM | | Fischer, Zhao |
| Social Sciences | GIS 470 | Statistics for Geographers | 3 | 01/09 - 04/28 (C) | Various | Various | Various | CS | Various |
| 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 | POS 485 | Political Economy | 3 | 03/13 - 04/28 (B) | T Th | 1:30 PM | 4:15 PM | SB | Hollinger |
| Social Science | SOC 390 | Social Sciences Statistics I | 3 | 01/09 - 04/28 (C) | Various | Various | Various | CS | Various |
| Social Science | SOC 391 | Research Methods | 3 | 01/09 - 04/28 (C) | T Th | Various | Various | L or SB | Various |
| Applied Math | MAT 300 | Mathematical Structures | 3 | 01/09 - 04/28 (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 | 01/09 - 04/28 (C) | M W | 12:15 PM | 1:30 PM | CS | Crook |
| Applied Math | MAT 371 | Advanced Calculus I | 3 | 01/09 - 04/28 (C) | Various | Various | Various | | Various |
| Applied Math | MAT 421 | Applied Computational Methods | 3 | 01/09 - 04/28 (C) | Various | Various | Various | CS | Various |
| Applied Math | MAT 451 | Mathematical Modeling | 3 | 01/09 - 04/28 (C) | T Th | Various | Various | CS | Various |
| Elective | HCD 300 | Biostatistics (also listed as PBH 300) | 3 | 01/09 - 04/28 (C) | T Th | 10:30 AM | 11:45 AM | CS | Trembath |
| Elective | STP 226 | Elements of Statistics | 3 | Various | Various | Various | Various | CS | Various |
| Elective | STP 231 | Statistics for Biosciences | 3 | 01/09 - 04/28 (C) | Various | Various | Various | CS | Various |
| Elective | STP 420 | Introductory Applied Statistics | 3 | 01/09 - 04/28 (C) | Various | Various | Various | CS | Various |
| Elective | STP 421 | Probability | 3 | 01/09 - 04/28 (C) | T Th | Various | Various | | Various |

**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