

## Methods Courses

Examples of course that may satisfy the CSP methods course requirement are included below. A methods course should provide training in quantitative or qualitative research design, tools, and analysis.

The methods requirement can be met by taking CSP 241/241L (cross listed with BIOE 286/286L), another course from the list of approved methods courses found below, or by approval of the program director. The selection of the methods and elective courses will be made in consultation with the student's faculty adviser and program, with final approval from the program director.

With your request, please email the name of the course, course designator (course number) and brief description. Prior to doing so, please also reach out to the faculty of record for the course to ensure that 1) the course is being offered in the quarter you would like to take it and 2) that the course is open to graduate students from outside the home department.

Examples quantitative methods courses that may be considered include:

- AM 211\* Fdns of Applied Math.
- AM 212A Applied Math. Methods I
- AM 214 Applied Dynamical Sys.
- AM 215\* Stochastic Modeling in Bio
- BIOE 248A/B Quant Methods
- BIOE 281 Disease Ecol/Population
- CSP 242/L(BIOE 286/L)\*
- EART 225 Stats and Data Anlys Geosci
- EART/OCEA 260 Intro Data Anlys O&ES
- ECON 216 Applied Econometric Anlys I
- ECON 217 Applied Econometric Anlys II
- ECON 210B Math. Methods Econ Anlys
- ECON 211A Adv Econometrics I
- ECON 211B Adv Econometrics II
- ENVS 215A/L GIS Beginner
- ENVS 215B/L GIS Intermediate
- ENVS 265 Data Sci for Environment
- ENVS 280 Big Data
- ENVS 291 Spatial Research & Model.
- PSYC 204\* Quantitative Data Anlys
- SOCY 204\* Methods of Quant Anlys
- STAT202\* Linear Models in SAS
- STAT203\* Intro of Probability Theory
- STAT205B\* Intermed. Classical Infer.
- STAT206\* Applied Bayesian Stats
- STAT207: Intermed. Bayesian Stats Mod.
- STAT 208 Linear Models
- STAT 209 Gen Linear Models
- STAT 222 Nonparametric Bayes
- STAT 223 Time Series Anlys
- STAT 225 Multivariate Stats
- STAT 226 Spatial Stats
- STAT 244 Decision Theory

Examples qualitative methods courses that may be considered include:

- ANTH 208A Ethnographic Practice
- EDU 237 Qual Research Methods
- ENVS 272 Qual Field Methods
- FMST 201 Topics in Feminist Methods
- HIST 200 Methods & Theories History
- POLI 202 Qual Methods Survey
- PSYC 248 Survey Methods
- PSYC 249 Field Methods and Social Ethnography
- PSYC 261 Participatory Action Research
- SOCY 205 Field Research Methods

Also consider some special topics courses:

ENVS Special Topics course on Bayesian Statistics - Chris Wilmers taught Winter 2020  
OCEA 250: Field and Lab Methods in Aquatic and Coastal Science - Pending Approval