

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:

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

Examples qualitative methods courses that may be considered include:

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

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