**TRANSPORTATION-RELATED COURSES – 2017/2018**

Courses are every year, except as otherwise noted: \* every other year, \*\* one-time offering

|  |  |  |
| --- | --- | --- |
| **FALL 2017 (201710)**  | **WINTER 2018 (201801)**  | **SPRING 2018 (201803)**  |
| TTP 281 – ITS Seminar Series*Invited speakers* | TTP 281 – ITS Seminar Series*Invited speakers* | TTP 281 – ITS Seminar Series*Invited speakers* |
| TTP 282 – Transportation Orientation Seminar*Susan Handy* | TTP 200 – Transportation Survey Methods*Staff* Core Course  | \*TTP 220 – Transportation Policy*Susan Handy* Core Course  |
| TTP 289B – STEPS Research Seminar*Joan Ogden* | TTP 210 – Intro to Transportation Technology*Chris Nitta* Core Course  | TTP 289B – STEPS Research Seminar*Joan Ogden* Tues 12:10-1:00 |
| TTP 289A – Transportation and Energy Journal Review*Joan Ogden* | TTP 289B – STEPS Research Seminar*Joan Ogden*  |  |
|  | TTP 289A – Transportation and Energy Journal Review*Joan Ogden* | ECI 114 – Probabilistic Systems Analysis for Civil Engineers (prereq for ECI 251)*Miguel Jaller* |
| ECI 149 – Introduction to Air Pollution*Chris Cappa* | EBS 216 Energy Systems*Bryan Jenkins* Core Alternative Course  |   |
| ECI 153 – Deterministic System Optimization and Design*Jay Lund* | ECI 114 – Probabilistic Systems Analysis for Civil Engineers (prereq for ECI 251)*Michael Kleeman*  | ECI 241 - Air Quality Modeling*Michael Kleeman* |
| \*ECI 165 – Transportation Policy*Dan Sperling* |   | ECI 253 – Dynamic Programming and Multi- stage Decision Processes *Yueyue Fan* Core Course |
| ECI 179 – Pavement Engineering*John Harvey* | ECI 257 – Flows in Transp. Networks*Michael Zhang*  | ECI 268 – Infrastructure Economics*Lund* M/W/F 9:00-9:50 |
| ECI 244 – Life Cycle Assessment for Sustainable Engineering *Alissa Kendall* | ECI 289H – Transportation Planning: Freight Transportation Systems*Miguel Jaller* |  |
| ECI 251 – Transportation Demand Analysis*Miguel Jaller* Core Course  |  |  |
| ECI 256 - Urban Traffic Management and Control*Michael Zhang* Core Course |   | ECN 125 – Energy Economics*Staff* Core Course  |
| EME 163 – Internal Combustion Engines and Future Alternatives*Staff* | EBS 265 – Design and Analysis of Engineering Experiments Core Course | \*ESP 167 - Energy Policy*Joan Ogden*  |
| ESP 168A – Methods of Environmental Policy Evaluation*Frances Moore* |   | ESP 171 – Environmental Planning, Land Use and Growth Controls *Susan Handy*  |
| LDA 205 - Physical Planning and Urban Design*Steve Wheeler* | \*EME/MAE 234 – Design and Dynamics of Road Vehicles*D. Margolis* |  |
| MAE 207 – Engineering Experimentation and uncertainty Analysis*Benjamin Shaw* Core Course |   |   |
| \*MAE 218 – Advanced Energy Systems*Paul Erickson* Core Alternative | PLS 205 – Experimental Design and AnalysisCore Course | GEO 200CN – Quantitative Geography*Robert Hijmans* Core Course |
| ARE 204A – Micro Analysis I*Pierre Merel* Core Course | ARE 176 - Environmental Economics*Staff* Core Course | ARE 175 - Natural Resource Economics |
| ARE 254 - Dynamic Optimization Techniques with Economic Applications*Jim Wilen and Cynthia Lin* Core Course | ARE 252 - Applied Linear Programming*Quirino Paris* Core Course |   |
|  | **ARE 275 Economic Analysis of Resource and Environmental Policies***Kevin Novan* Core Course  |  |

**TRANSPORTATION-RELATED COURSES – 2016/2017**

Courses are every year, except as otherwise noted: \* every other year, \*\* one-time offering

|  |  |  |
| --- | --- | --- |
| **FALL 2016 (201610)**  | **WINTER 2017 (201701)** | **SPRING 2017 (201703)** |
| TTP 281 – ITS Seminar Series*Invited speakers* | TTP 281 – ITS Seminar Series*Invited speakers* | TTP 281 – ITS Seminar Series*Invited speakers* |
| TTP 282 – Transportation Orientation Seminar*TBD* Fri 11:00-11:50 | TTP 210 – Intro to Transportation Technology*Chris Nitta* Core Course | TTP 289B – STEPS Research Seminar*Joan Ogden* Tues 12:10-1:00 |
| TTP 289B – STEPS Research Seminar*Joan Ogden* Tues 12:10-1:00 | TTP 289B – STEPS Research Seminar*Joan Ogden* Tues 12:10-1:00 | MGT 249 – Marketing Research*David Bunch* |
| TTP 289A – Transportation and Energy Journal Review*Joan Ogden* Thurs 12:10-1:00 |  | ARE 175 - Natural Resource Economics*Cynthia Lin* Core Course |
| ECI 149 – Introduction to Air Pollution*Christopher Cappa* M/W 8:00-9:50 |  | ARE 275 – Resource and Environmental Economics*Yeganeh Farzin* Core Course |
| ECI 153 – Deterministic System Optimization and Design*Yueyue Fan* T/Th 15:10-16:30 | ECI 114 – Probabilistic Systems Analysis for Civil Engineers (prereq for ECI 251)*Michael Kleeman* M/W 10:00-11:50 | ESP 171 – Environmental Planning, Land Use and Growth Controls*Jamey Volker* |
| \*ECI/ESP 163 – Energy and Environmental Aspects of Transportation*Dan Sperling* T/Th 13:40-15:00 |  | ECI 241 - Air Quality Modeling*Michael Kleeman* |
| ECI 179 – Pavement Engineering*John Harvey* T/Th 16:40-18:00 |  | ECI 114 – Probabilistic Systems Analysis  *Miguel Jaller* (prereq for ECI 251) |
| ~~ECI 244 – Life Cycle Assessment for Sustainable Engineering~~ *~~Alissa Kendall~~* |  | ~~ECI 162 – Transportation Systems Design~~*~~Deb Niemeier~~*  |
| ECI 251 – Transportation Demand Analysis*Miguel Jaller* Core Course M/W 10:00-11:50 | ECI 257 – Flows in Transp. Networks*Michael Zhang* T/Th 14:10-16:00 | \*ECI/ESP 252 – Sustainable Transp. Tech. & Policy*Dan Sperling* Core Course |
| ECI 256 - Urban Traffic Management and Control*Michael Zhang* Core Course M/W 14:10-16:00 |  | ECI 253 – Dynamic Programming and Multi- stage Decision Processes *Yueyue Fan* Core Course |
| ECN 125 – Energy Economics*James Bushnell* Core Course T/Th 12:10-13:30 | ECN 125 – Energy Economics*James Bushnell* Core Course T/Th 10:30-11:50 | ~~\*ECI 268 – Infrastructure Economics~~*~~Deb Niemeier~~* |
| ESP 168A – Methods of Environmental Policy Evaluation*Joan Ogden* T/Th 16:40-18:00 | \* EBS 216 – Energy Systems*Bryan Jenkins* Core Alternative |  |
| LDA 205 - Physical Planning and Urban Design*Stephen Wheeler* T/Th 14:10-16:00 | ESP 179 - Environmental Impact Assessment*Jim Quinn* |  |
| MAE 207 – Engineering Experimentation and Uncertainty Analysis*Cristina Davis* Core Course M/W 12:10-14:00 | PLS 205 – Experimental Design and Analysis*Daniel Runcie* Core Course T/Th 9:00-10:20 |  |
| EME 163 – Internal Combustion Engines and Future Alternatives*Paul Erickson* T/Th 10:30-11:50 | \* MAE 217 – Combustion*Shaw* M/W 14:10-16:00 | \*ESP 212A – Environmental Policy Process*Gwen Arnold* |
| ARE 204A – Microeconomic Analysis*Pierre Merel* Core CourseT/Th 14:10-16:00 | \*EME/MAE 234 – Design and Dynamics of Road Vehicles*Francis Assadian* M/W 12:10-13:30 | GEO 200CN – Quantitative Geography*Sheryl-Ann Simpson* Core Course |
| ARE 254 - Dynamic Optimization Techniques with Economic Applications*Jim Wilen and Cynthia Lin* Core Course T/Th 14:10-16:00 | ARE 176 - Environmental Economics*Kaplan* Core Course T/Th 15:10-16:30 | MAE 207 – Engineering Experimentation and uncertainty Analysis*Cristina Davis* Core Course |
| STA 206 – Statistical Methods for Research*Jie Peng* Core Course M/W 10:00-11:50 |  | MAE 269 – Fuel Cell Systems *Paul Erickson* |