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

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

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| **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 Analysis  Core 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

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| **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* |