



Siebel Energy Grand Challenge Initiative Courses of Interest – Spring 2010 Courses



- ATL 496/THR 496/ENV 496: Princeton Atelier: Environmental Documentary and Music Theater** – Steve Cosson, Michael Friedman
- AOS 572: Atmospheric and Oceanic Wave Dynamics** – Sonya A. Legg, Isidoro Orlanski
- AOS 573: Physical Oceanography** – Geoffrey K. Vallis
- AOS 577/GEO 577: Weather and Climate Dynamics** – Ngar-Cheung Lau
- ARC 304: Cities of the 21st Century (HA)** – M. Christine Boyer
- ARC 515: The Environmental Engineering of Buildings, Part II** – Mahadev Raman
- ARC 586: Material Ecologies** – Jane C. Harrison
- AST 309/MAE 309/PHY 309: Science and Technology of Nuclear Energy: Fission and Fusion** – Alexander Glaser, Robert J. Goldston
- AST 558: Seminar in Plasma Physics** – Nathaniel J. Fisch, Allan H. Reiman
- CEE 303/ENV 303/URB 303: Introduction to Environmental Engineering (STX)** – Catherine A. Peters
- CEE 308: Environmental Engineering Laboratory** – Peter R. Jaffe
- CEE 334/ENV 334/WWS 334: Global Environmental Issues (SA)** – Denise L. Mauzerall
- CEE 502: Environmental Engineering Fundamentals II: Surface and Subsurface Processes** – Kelly K. Caylor, Michael A. Celia, Catherine A. Peters
- CEE 588/AOS 588/GEO 588: Boundary Layer Meteorology** – Elie R. Bou-Zeid
- CEE 599B: Special Topics in Environmental Engineering and Water Resources: Aerosols Observations and Modeling** – Paul A. Ginoux, James A. Smith, Mark A. Zondlo
- CHE 246: Thermodynamics (STX)** – Athanassios Z. Panagiotopoulos
- CHE 505: Advanced Heat and Mass Transfer** – Robert K. Prud'homme
- CHM 306: Physical Chemistry: Chemical Thermodynamics and Kinetics** – Michael T. Kelly
- CHM 333/ENV 333: Oil to Ozone: Chemistry of the Environment (STX)** – Francois Morel
- ECO 429: Issues in Environmental and Natural Resource Economics** – Smita B. Brunnermeier
- EGR 194: An Introduction to Engineering** – Jay B. Benziger, Michael G. Littman, Jennifer L. Rexford
- EGR 277/HIS 277/SOC 277: Technology and Society** – Michael D. Gordin
- ELE 208: Integrated Circuits: Practice and Principles (ST)** – Stephen Y. Chou, Conrad L. Silvestre
- ELE 455/CEE 455/MAE 455/MSE 455: Mid-Infrared Technologies for Health and the Environment** – Gerard Wysocki
- ELE 541/MSE 510: Electronic Materials** – James C. Sturm, Sigurd Wagner
- ENV 202B: Fundamentals to Environmental Studies: Climate, Air, Pollution, Toxics, and Water (ST)** – Bess B. Ward
- ENV 310: Environmental Law and Moot Court (SA)** – George S. Hawkins
- ENV 316: Communicating Climate Change** – Heidi Cullen, Michael Lemonick
- ENV 340: Environmental Challenges and Sustainable Solutions (ST)** – Eileen Zerba
- ENV 360: Biotech Plants and Animals: Frankenfood or Important Innovations** – Xenia K. Morin



Siebel Energy Grand Challenge Initiative Courses of Interest – Spring 2010 Courses



ENV 531/CEE 583/GEO 531: Topics in Energy and the Environment: Making the Most of Scarce Hydrocarbon Resources – Michael J. Smith

FRS 122: The Everglades Today and Tomorrow: Global Change and the Impact of Human Activities on the Biosphere (ST) – Anne Morel-Kraepiel

FRS 136: Science and Policy of Global Environmental Issues (SA) – Denise L. Mauzerall

GEO 103: Natural Disasters (ST) – Laurel P. Goodell, Allan M. Rubin

GEO 202: Ocean, Atmosphere, and Climate (ST) – Jorge L. Sarmiento, Danielle M. Schmitt

GEO 370/CEE 370/ENV 370: Sedimentology (ST) – Adam C. Maloof

GEO 428: Biological Oceanography – Bess B. Ward

GEO 430: Climate and the Terrestrial Biosphere – David M. Medvigy

GEO 470/CHM 470: Environmental Chemistry of Soils – Satish C. Myneni

GEO 506: Fundamentals of the Geosciences II – Michael L. Bender

GEO 535: Biogeochemical Cycles in Earth History: Isotope Geochemistry of the Biologically Important Elements – Daniel M. Sigman

MAE 328/EGR 328/ENV 328: Energy for a Greenhouse-Constrained World – Craig B. Arnold

MAE 426: Rocket and Air-Breathing Propulsion Technology – Yiguang Ju

MAE 427: Energy Conversion and the Environment: Transportation Applications – Frederick L. Dryer

MAE 436: Special Topics in Mechanical and Aerospace Engineering: Direct Energy Conversion – Richard B. Miles

MAE 531: Combustion – Chung K. Law

MAE 598: Graduate Seminar in Mechanical and Aerospace Engineering – Edgar Y. Chueiri

NES 266/ENV 266: Oil, Energy and the Middle East (SA) – Roger J. Stern

NES 530/ENV 530: Political Economy of Arab Gulf Countries – Eckart Woertz

ORF 335/ECO 364: Introduction to Financial Mathematics (QR) – Michael C. Coulon

PHY 102: Introductory Physics II (ST) – Steven S. Gubser

PHY 505: Quantum Mechanics I – Robert Seiringer

PHY 529: Introduction to High-Energy Physics – Christopher G. Tully

URB 201/SOC 203: Introduction to Urban Studies – M. Christine Boyer

WWS 484/EAS 484/POL 438: Special Topics in Public Affairs: Contemporary Politics and Policy Changes in China (SA) – Mayling E. Birney

WWS 556G: Topics in International Relations: US-EU Economic Relations and National Security – James I. Gadsden

WWS 584: The Use of Science in Public Policy – Denise L. Mauzerall, Lee M. Silver, Frank N. von Hippel

WWS 594P: Topics in Policy Analysis (Half-Term) – Energy, Environment and Development – Ramana V. Mani
(open to Graduate Students only)

For more information, contact Princeton Environmental Institute, Pascale Maloof Poussart, Assistant Director – Energy Initiatives, 144 Guyot Hall, (609) 258-7050, poussart@princeton.edu