

ENGINEERING MANAGEMENT AND SYSTEMS:

Projected course schedule - as of December 29, 2011

Spring 2012 courses

Note: Unless otherwise noted, all engineering management and management science lecture courses are simulcast, giving students the option to attend them via the Internet.

ENM 500/ISE 300: Probability and Statistics for Engineers

Deep, R.

Kettering Laboratories Room 304, MW, 11:30 a.m.-12:45 p.m.

Textbook: *Probability and Statistics: with Integrated Software Routines* by Deep

ISBN: 9780123694638

Aca Press imprt

3 credit hours

ENM 503: Engineering Analyses

Deep, R.

Kettering Laboratories Room 224, MW, 3:00 p.m.-4:15 p.m.

Textbook: *Introductory Mathematical Analysis*, 13th ed., 2011, by Haeussler & Paul

ISBN: 97801321643728

Prentice-Hall

3 credit hours

ENM 505: Management of Engineering Systems

Deep, R.

Kettering Laboratories Room 353, TTh, 10:30 - 11:45 a.m.

Textbook: *Systems Engineering & Analysis*, 5th ed., 2011, by Blanchard & Fabrycky

ISBN: 9781439889497 sold in downloadable VitalBook format (v 4.8 or greater)

Prentice-Hall

3 credit hours

ENM 515: Human Factors Engineering

Thal, A.

Kettering Laboratories Room 312, TTh, 6:00 - 7:45 p.m.

Textbook: *Human Factors in Simple and Complex Systems*, 2nd ed., 2011, by Rob't Proctor CRC Press

ISBN: 9780131837362

3 credit hours

ENM 517/ISE 417: Legal Aspects of Engineering - ON CAMPUS TAUGHT ONLY

Pica, M. R.

Kettering Laboratories Room 401, W, 6:00 p.m. - 8:45 p.m.

Textbook: *Business Law: Texts and Cases*, 11th ed, 2009, bundled with Aplia access card,

Aplia Inc

by Clarkson/Miller

ISBN: 978-1435479074

3 credit hours

ENM 530/ISE 430: Engineering Economy

Mykytka, E.

Textbook: *Engineering Economic Analysis*, 11th ed, 2011, by Newnan, Eschenbach & Lavelle

Oxford Press

ISBN: 9780199778126

Kettering Laboratories Room 203, MW, 4:30-5:45 p.m.

3 credit hours

ENM 534: Decision Making

Sweeney, P.

Kettering Laboratories Room 304, TTh, 11:50 a.m. - 1:15 p.m.

Textbook: *Introduction to Decision Analysis: . . .*, 3rd ed., 2009 by David Skinner

Probabilistic Pub

ISBN: 978-0964793866

3 credit hours

ENM 539: Systems Engineering/Project Management

Doty, J.

Kettering Laboratories Room 304, MW, 6:00 p.m. - 7:15 p.m.

Textbook: *Essentials of Project & Systems Egr Mgt*, 3rd ed., 2008, by Eisner

Hardcopy ISBN: 978-0470129333/ e-book is available from UD Bookstore: ISBN 978-1118207567

3 credit hours

John Wiley

ENM 561/ISE 461: Design and Analysis of Experiments

Doty, J.

Kettering Laboratories Room 304, MW, 4:30 - 5:45 p.m.

Textbook: *Design and Analysis of Experiments*, 7th ed., 2008, by Montgomery

Hardcopy ISBN: 9780470128664/ e-book is available from UD Bookstore: ISBN 978-0470563199

3 credit hours

John Wiley

ENM 565/ISE 465: Reliability Engineering I

Ebeling, C.

Kettering Laboratories Room 304, TTh, 4:30 p.m. - 5:45 p.m.

Textbook: *Intro to Reliability & Maintainability Engr*, 2nd ed., 2010, by Ebeling

ISBN: 978-1577666257

3 credit hours

Waveland Press

ENM 585: Engineering Organizational Design

Sweeney, P.

Kettering Laboratories Room 205, MW, 11:00 a.m.-12:15 p.m.

Textbook: *Introduction to Decision Analysis . . .*, 3rd ed, 2009, by Skinner

ISBN: 978-0964793866

3 credit hours

Probabilistic Pub

ENM 587/ISE 487: Leading in Tech Environments

Russo, V./Back, D.

Kettering Laboratories Room 224, M, 6:00 - 8:45 p.m.

Textbook: *The Splendid Leader*, 2nd Academic Ed, by Russo and Back

ISBN: 9781596720312

3 credit hours

BookFactory

ENM 590: Case Studies in Engineering Management

Sweeney, P.

Arranged

3 credit hours

ENM 595: Special Problems

Sweeney, P.

Arranged

1-3 credit hours

MSC 521/ISE 421: Intro to Operations Research

Ebeling, C.

Kettering Laboratories Room 304, TTh, 1:30 p.m. - 2:45 p.m.

Textbook: *Operations Research: An Introduction w/CD ROM*, 9th ed. 2011, by Taha

ISBN: 978-0132555937

3 credit hours

Prentice-Hall

MSC 535: Applied Operations Research / Management Science

Ebeling, C.

Arranged - no text

3 credit hours

MSC 546: Queuing Theory & Application

Zalewski, D.

Kettering Laboratories Room 203, TTh, 6:00 p.m. - 7:15 p.m.

Textbook: *Fundamentals of Queueing Theory*, 4th ed., 2008, by Gross, et al

John Wiley

Hardcopy ISBN: 978-0471791270/e-book is available from UD Bookstore: ISBN: 978-1118211649

3 credit hours

MSC 572: System Simulation

Mykytka, E.

Kettering Laboratories Room 223, MW, 11:30 a.m. - 12:45 p.m.

Textbook: *Simio & Simulation: Modeling, Analysis, Applications*, 2nd ed., 2011, by Kelton et al McGraw-Hill

ISBN: 978-0073408927

Workbook: *Simulation Modeling with SIMIO: A Workbook* by Simio LLC, www.simio.com (both print and e-books available from Simio and are optional texts).

3 credit hours

MSC 595: Current Problems

Sweeney, P.

Arranged

1-3 credit