

SOUTHERN ILLINOIS UNIVERSITY
INDUSTRIAL TECHNOLOGY MILITARY PROGRAMS
FALL 2009 COURSE SCHEDULE

IT-470a SIX SIGMA GREEN BELT I

PROFFESOR: Scott Drumm

Study the knowledge areas of Six Sigma Green Belt. Topics include six sigma goals, lean principles, theory of constraints, design for six sigma, quality function deployment, failure mode & effects analysis, process mgmt, team dynamics, project mgmt basics, data & process analysis, & process capability.

SCHEDULED DATES: Aug 29, 30; Sep 19, 20; Sep 26, 27 2009

DROP DATE FOR REFUND: Aug 29, 2009

IT-470b SIX SIGMA GREEN BELT II

PROFESSOR: Scott Drumm

Topics include exploratory data analysis, correlation & regression, hypothesis testing, single-factor ANOVA, design of experiments basics, implement & validate solutions, statistical process control, & control plans.

CLASS MEETING DATES: Oct 3,4; Oct 17,18; Oct 31, Nov 1 2009

DROP DATE FOR REFUND: Oct 3, 2009

IT-480 SIX SIGMA BLACK BELT

PROFFESOR: Scott Drumm

Study knowledge areas of Six Sigma Black Belt. Topics include analysis of variance, fractional factorial experiments, Taguchi robustness concepts, response surface methodology, robust design & process, & other advanced six sigma principles & techniques.

CLASS DATES: Nov 7,8; Nov 21,22, Dec 5,6 2009

DROP DATE FOR REFUND: Nov 7, 2009

IT-240 FIRST-LINE SUPERVISION (SELF STUDY)

PROFESSOR: Dennis Lithgow

Analysis of problems of first-line supervisors. Topics include leadership, motivation, communication, grievances, training, discipline, group & individual effectiveness, & labor relations.

IT-305 INDUSTRIAL SAFETY (SELF-STUDY)

PROFESSOR: Mike Costello

Principles of industrial accident prevention; accident statistics & costs; appraising safety performance; recognizing industrial hazards & recommending safeguards. Includes study of OSHA.

IT-395 TECHNOLOGY DESIGN (SELF STUDY)

PROFESSOR: Dennis Lithgow

A project on a technical subject selected by the student with advice from the instructor. Stimulates original thought & creativity.

COURSE DATES FOR SELF-STUDY COURSES: Aug 29 through Dec 6, 2009

FINAL DROP DATE: Oct 23, 2009

**CLASSES MEET SATURDAY AND SUNDAY FROM 8:00 TO 4:45 IN
BLDG S-241, ROOM 222.**

**STUDENTS SHOULD CONTACT DENNIS LITHGOW OR MIKE COSTELLO FOR
ASSISTANCE WITH SELF-STUDY COURSES.**