ECE 551/Engr. 521 Syllabus, Probability and Random Processes
Fall 2014

Lecturer: James W. Phegley, Ph.D.
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Office: ENGR. E-210
Office Phone: 453-7044

Office Hours: Monday, Wednesday, and Friday from 1:00 to 3:00 and by appointment.
Lecture: M, W, F from 4:00 to 4:50, ENGR. A-310


References:

Course Topics:
Chapters 1 – 5: Probability theory and one-dimensional random variables (Test 1).
Chapters 6 and 7: Two-dimensional random variables, sequences of random variables, and mean square estimation (Test 2).
Chapters 9 – 13: Introduction to random processes, fundamental random processes, spectral representation, and linear systems with random inputs (Test 3).
Chapters 15 – 16: Markov chains and Markov processes (Final Exam).

Evaluation:
Test 1, Friday, Sept. 19 20%
Test 2, Friday, Oct. 17 20%
Test 3, Friday, Nov. 14 20%
Final Exam (Comprehensive), Wednesday, December 10th, 4:00 – 5:45 P.M. 20%
Homework 20%

Notes:
1.) Students are responsible for all announcements made in class.
2.) If a test (other than the final exam) is missed for a legitimate reason a grade may be given based on the remaining work.
3.) Late homework is not accepted.
4.) Students are expected to conduct themselves in a professional and ethical manner. Failure to do so could count against the final grade.
5.) Attendance will be taken at random throughout the semester; excessive absences could count against the final grade.
IMPORTANT DATES *
Semester Class begins: ........................ 08/18/2014
Last day to add a class (without instructor permission): 08/24/2014
Last day to withdraw completely and receive a 100% refund: 08/31/2014
Last day to drop a course using SalukiNet: ........................ 10/26/2014
Last day to file diploma application (fee name to appear in Commencement program): ........................ 10/31/2014
Final examinations: ........................ 11/3-12/12/2014

Note: For outreach, internet, and short course drop/dial dates, visit Registrar’s Academic webpage. http://registrar.siu.edu/

FALL SEMESTER HOLIDAYS
Labor Day: 08/31/2014
Fall Break: 10/11-10/14/2014
Veterans Day: 11/11/2014
Thanksgiving Vacation: 11/26-11/30/2014

WITHDRAWAL POLICY - Undergraduate only
Students who officially register for a session may not withdraw merely by the stopping of attendance. An official withdrawal form needs to be initiated by the student and processed by the University. For the proper procedures to follow when dropping courses and when withdrawing from the University, please visit http://registrar.siu.edu/pdf/vgrad/catalogfp1314.pdf

INCOMPLETE POLICY - Undergraduate only
An INC is assigned when, for reasons beyond their control, students engaged in passing work are unable to complete all class assignments. An INC must be changed to a completed grade within one semester following the term in which the course was taken. A grade of INC is accepted as an incomplete and will be converted to a grade of F if the student does not request a change within the appropriate timeframe. For more information please visit: http://registrar.siu.edu/grades/incomplete.html

REPEAT POLICY
An undergraduate student may, for the purpose of raising a grade, enroll in a course for credit no more than twice (two total enrollments) unless otherwise noted in the course description. For students receiving a letter grade of A, B, C, D, or F, the course repetitions must occur at Southern Illinois University Carbondale. Only the most recent (last) grade will be calculated in the overall GPA and count toward hours earned. See full policy at http://registrar.siu.edu/pdf/vgrad/catalogfp1314.pdf

GRADUATE POLICIES
Graduate policies often vary from Undergraduate policies. To view the applicable policies for graduate students, please visit http://gradschool.siu.edu/about-us/grd-catalog/index.html

DISABILITY POLICY
Disability Support Services provides the required academic and programmatic support services to students with permanent and temporary disabilities. DSS provides centralized coordination and referral services. To utilize DSS services, students must come to the DSS to open cases. The process involves interviews, reviews of student-supplied documentation, and completion of Disability Accommodation Agreements. http://disabilityservices.siu.edu/

PLANETARY CODE
http://pwcac.siu.edu/planets/australia.html#:~:text=AUSTRALIA%202014%20Planetary%20Codes

SALUKI CARES
The purpose of Saluki Cares is to develop, facilitate and coordinate a university-wide program of care and support for students of any type of distress—physical, emotional, financial, or personal. By working closely with faculty, staff, students and their families, SIU will continue to display a culture of care and demonstrate to our students and their families that they are an important part of the community. For information on Saluki Cares: (618) 453-5714, or stucares@siu.edu, http://salukicares.siu.edu/index.html

EMERGENCY PROCEDURES
Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. We ask that you become familiar with the SIU Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on BERT’s website at www.bert.siu.edu, Department of Safety’s website at www.dps.siu.edu (disaster drop down) and the Emergency Response Guidelines pamphlet. Instructors will provide guidance and directions to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and any with your instructor during an evacuation or sheltering emergency.

INCLUSIVE EXCELLENCE
SIU contains people from all walks of life, from many different cultures and sub-cultures, and representing all strata of society, nationalities, ethnicities, lifestyles, and affiliations. Learning from and working with people from different is an important part of education as well as an essential preparation for any career. For more information please visit: www.ncteachers excellence.siu.edu/

MORRIS LIBRARY HOURS
http://www.lib.siu.edu/about

LEARNING AND SUPPORT SERVICES
Help is within reach. Learning support services offers free tutoring on campus and math labs. To find more information please visit the Center for Learning and Support Services website.
Tutoring: http://tutoring.siu.edu/
Math Labs http://tutoring.siu.edu/math-tutoring/index.html

WRITING CENTER
The Writing Center offers free tutoring services to all SIU students and faculty. To find a Center or Schedule an appointment please visit http://www.wrc.siu.edu/

AFFIRMATIVE ACTION & EQUAL OPPORTUNITY
Our office’s main focus is to ensure that the university complies with federal and state equity policies and handles reporting and investigating of discrimination cases. For more information visit: http://diversity.siu.edu/

Additional Resources Available:
SALUKINET: https://salukinet.siu.edu/cp/home/displaylogin
ADVISEMENT: http://advisement.siu.edu/