HRNS 3301 Honors Interdisciplinary Robotics Fall 2007

Prerequisites ENGL 1102 and permission of the Honors director

Text *Stiquito for beginners: An Introduction to Robotics* by Conrad and Mills
Also, choose a book relating to robotics that must meet my approval

Course Outcomes

- Students will demonstrate the ability to communicate effectively in oral, written, visual, and graphical means in both interpersonal and group environments using project management skills.
- Students will demonstrate the ability to think creatively and critically by identifying, evaluating, and solving complex technical (and non-technical) problems, including intricate ethical issues.
- Students will demonstrate the ability of constructing a working robot to particular specifications using both software and hardware skills. A competition style application will be employed.
- Students will gain a sincere desire for life long learning showing attitudes, abilities, and skills that are required to adapt, adjust, and stay abreast of the rapidly evolving technologies of robotics.

Instructor Lance Crimm in Office G -201 (ECET department)
Office Phone: 678-915-7249 (voicemail available)
Home Phone: 770-973-9198 (Please no calls after midnight!)
Email: lcrimm@spsu.edu (generally available 24/7!)
Office Hours: as posted on door (or by appointment, call or email)
Website: http://www.spsu.edu/ecet/lcrimm (with link to WebCT)

Course Evaluation	Grade Composition	Grade Scale
Participation and Group Dynamics	10%	90 - 100 = A
Attendance	10%	80 - 89 = B
Mini-Papers	25%	70 - 79 = C
Book Review	15%	60 - 69 = D
Project Work	30%	0 - 59 = F
Oral Presentation	10%	

Participation Based on readings and class discussions, you should develop at least three questions or issues you would like to raise in future classes. These should be documented in your notebook. It would be beneficial for you to stay abreast of current events and bring in newspaper or magazine articles that have a pertinent association with the class when you see them. Stay alert and active in class!

Attendance Attending class is highly suggested. I will note who is absent each day. No make-ups will be given unless previous arrangements are made with the instructor. Further, **you** are **responsible** for anything you miss from class.

Mini-Papers There will be five of these one paper assignments with more details online.
NO CREDIT WILL BE GIVEN FOR LATE WRITING ASSIGNMENTS.

Book Review Your thorough analysis of your chosen and approved robotics book to review.

Project Work A group project from conception to completion with teamwork as a critical role

Final There will be no final exam. Your oral presentation with thorough formal technical report writing as well as usability testing results will serve as the notable and culminating contribution to this robotics interdisciplinary seminar.

Students with disabilities who believe that they may need accommodations in this class are encouraged to contact the counselor working with disabilities at 678-915-7244 as soon as possible to better ensure that such accommodations are implemented in a timely fashion.