### To use this information, we MUST have this form back by 5:00PM, 13 December 2005 Eta Kappa Nu Subject Evaluation Form -- TA

Please Return to the Course VI Undergraduate Office, 38-476

Subject Number: 6.189 Lecturer(s): Teller, Land, Rus, O'Reilly, Ray	
This form is intended to help make our subject evaluations more complete and accurate. We appreciate your candid response - please feel free to write more than we have provided spaces for, or to address issues not specifically mentioned on this form.	
1. What do you teach in this subject?  While Robotics Lab - the course is based around a term-long design project which students design, from the ground up, the modules and intractions in a system that tackles a tough robotics problem. Topics include vision, localization, path-planning, manipulation, and behavior-based reaction.  2. Who should take this subject? Who should not? What prerequisites does a student really need to have?  3. Therested in robotics & willingness to debug on high & low level, software / handware.  3. There is differently algorithms.  3. What do your students have trouble or difficulty with in this subject? What should they do differently? How can a student get the most out of this class?  Project is very team based, and requires clear intraction between teams of different hodules. Mis rommunication of specifications can make a lot more work for studing than necessary.	
4. What is your opinion of the text and references? Which are the most useful?  — N . A -	
5. How would you suggest improving this subject?  → Stable, Etested hardware platform  → Get students to work w/ code on large ("splinter") robots early in the term.  6. Do students come to office hours? If so, how many and how often?  → Not frequently until end of term, when they began testing code on the robot	
Not frequently until end of term, when they began testing code on the robot  7. How are grades determined?	, ce
Thank you for your input into the Underground Guide.  This is a great, unique class that spans multiple disciplines (EECS, MechE, Aero/Asto) and offers students a large-scaled design project that is unrivaled by other lab classes. Unfortunately, being the first run of this class, there were artest many techical problems / hordware failures & set backs that kept the class from reaching it's full potential	18

The class has a great deal of potential for future tenns, and I am certain it will become an excellent lab class.

### To use this information, we MUST have this form back by 5:00PM, 13 December 2005 Eta Kappa Nu Subject Evaluation Form -- TA

Please Return to the Course VI Undergraduate Office, 38-476

Subject Number: 6.189 (to be now to 6.142) Lecturer(s): Roy, Teller, O'Relly, Leoner Rus
This form is intended to help make our subject evaluations more complete and accurate. We appreciate your candid response - please feel free to write more than we have provided spaces for, or to address issues not specifically mentioned on this form.
1. What do you teach in this subject?  A note "real-word", less santized robotics challenge (compare to other classes like MASLas, 6.270, 2.007)  All Benefits.
2. Who should take this subject? Who should not? What prerequisites does a student really need to have?  Should take: Students with experience with robotiss twent more "realworld" experience  Should not take: novice students, people unwilling landle to connect large amounts of time
Diereges: Java/C or ability tolern quely planted 6.170 word be good. Basiz knowledge of all asserts of robots (har) and severs algoriths soft the most out of this class?  3. What do your students have trouble or difficulty with in this subject? What should they do differently? How can a student get the most out of this class?
the most out of this class?  lacked of Commission about specs tintentions caused problems. Composterior to be too insolar.  lacked of Commission about specs tintentions caused problems. Composterior to be too insolar.  The students into got the most out of the class were those who chose to spend time learning what every group has done to help coordinate, since they had the best idea about what was god on takent all aspects of the robot
4. What is your opinion of the text and references? Which are the most useful?  There were no fexts/referency.
5. How would you suggest improving this subject?  Get a solid hardone platform. Much of our (the student's) the was wested tracking down network or power problems, not robotics. Get groups to sit down with each ofter earlier. Possibly a more hospitable space (better lighting, not freezing all the time)
6. Do students come to office hours? If so, how many and how often?  Not really, the TAS also Double as LAs so we're around lab any way
7. How are grades determined?  O W Problem sets (how many: O?)  Quizzes (how many: O?)  Labs (how many: _?)  Participation  O W Midterm  Final  Other:  COURSES, \$56: \int.edu/
8. Please enter the URL of your own homepage if you want it linked to the on-line copy of the Underground Guide: 6.189 /f_1/2005/
9. What do you think of the Underground Guide? Any suggestions for improvement?  Details html  for more though  evaluation
Thank you for your input into the Underground Guide.

	,	
•		

Subject Number: GIFF Your Class: '09 '08 '07 '06 MEng G	Your Course: VI-1 VI-2 VI-3 VI-P (MEng) Other
TIME COMMITMENT  1. How many hours per week do you spend of Attending lectures, recitations, and tu Doing projects and labs:	torials:3On1
What are the realistic prerequisites for take mathematical background, etc.)	ing this class? (classes, time, research experience, programming,
RATINGS 3. Overall Class Rating: 1=poor, 4=average, 7 4. Difficulty Level: 1=trivial, 4=average MIT, 7 (how hard it makes you think, not how long	=excruciating 1 2 3 (4) 5 6 7
<b>TEACHING STAFF</b> 5. For each member of the teaching staff who and rate the instructor on a scale where 1=po	o taught you, write the instructor's name, circle what the instructor taught, or, 4=average, and 7=excellent.
Name: NICHULA COY Lecture Comment on teaching (presentation style, bla	Recitation Tutorial Rating: 1 2 3 4 5 6 7 ackboard technique, clarity). Suggest improvements.
Name: <u>โบาห ( เว มเมอ</u> Lecture Comment on teaching (presentation sty <del>le, bl</del>	Recitation Tutorial Rating: 1 2 3 4 5 6 7 ackboard technique, clarity). Suggest improvements.
Name: <u>UMA My</u> Comment on teaching (presentation style, bla	Recitation Tutorial Rating: 1 2 3 4 5 6 7 ackboard technique, clarity). Suggest improvements.
Name: DANIELS IWS Lecture Comment on teaching (presentation style, bla	Recitation Tutorial Rating: 1 2 3 4 5 <b>6</b> 7 ackboard technique, clarity). Suggest improvements.

SETH TELESE Lecture

SUBJECT CONTENT  6. Comment on the content of this subject. (What do you learn in this subject? Does the subject's content match your expectations? Is there a good balance between application and theory? What are the subject's strong and weak points?)  Refuse:  a W J Application.
7. What are your reasons for taking this subject? Why should someone else take this subject? What advice would you give to friends planning to take this subject?  Applicate based ring
8. Please rank which aspects of the subject are most helpful to you in learning the material, where 1 is most helpful: lectures: readings: recitations: tutorials: problem sets: labs: PROBLEM SETS  9. Comment on the problem sets. (How useful are they in learning the material? Are solutions distributed promptly? Are they clear?)
10. To what extent do you collaborate on the problem sets? Is this helpful in learning the material?
11. Do you use a bible (collection of homework and exams from a previous semester)? Do you recommend using one?
LAB WORK / DESIGN PROJECTS  12. Comment on the labs and design projects. (How well do they help you learn the material? Are they reasonable in length? Is lab equipment reliable and accessible?)

### **READINGS**

13. Comment on the textbook and class notes. (Do they exist? Are they useful?)

### **EXAMS AND QUIZZES**

14. Comment on exams and quizzes. (How well do they draw out your understanding of the material? What is essential for doing well on them? How do the quizzes compare to the problem sets and labs?)

### **RANTS AND RAVES**

15. In summary, what are the best and worst aspects of this class?

WHAT'S HOT?

WHAT'S NOT?

School neving of work is nearly deter

Its had

Your Class: '09 '08 '07 ('06) MEng G	Course: VI-1 VI-2 VI-3 VI-P (MEng) Other
CIAAC OOAAAAITAAGAIT	Graduate Area: I II III IV V VII
IME COMMITMENT  . How many hours per week do you spend on this subject: Attending lectures, recitations, and tutorials: Doing projects and labs: Studying, reading, and completing problem sets: How many hours did each problem set take?	002
2. What are the realistic prerequisites for taking this class? (climathematical background, etc.)  Time: NASLab oc 62	asses, time, research experience, programming,  10, programming experience (experience)
	I have debenoug
RATINGS	1 2 3 4 5 6 7 1 2 3 4 5 6 7
TEACHING STAFF 5. For each member of the teaching staff who taught you, write and rate the instructor on a scale where 1=poor, 4=average, ar	the instructor's name, circle what the instructor taught, and 7=excellent.
Name: Prof. Lessur Lecture Recitation Tut Comment on teaching (presentation style, blackboard technique)	corial Rating: 1 2 3 4 (5) 6 7 ue, clarity). Suggest improvements.
Name: Prof. And (Lecture Recitation Tut Comment on teaching (presentation style, blackboard technique)	orial Rating: 1 2 3 4 5 6 7 ue, clarity). Suggest improvements.
Name: <u>Prof. Of keille</u> Lecture Recitation Tut Comment on teaching (presentation style, blackboard technique)	orial Rating: 1 2 3 4 (5) 6 7 ue, clarity). Suggest improvements.
Name: http://example.com/lecture/lectu	orial Rating: 1 2 3 4 5 6 7 ue, clarity). Suggest improvements.

SUBJECT CONTENT  6. Comment on the content of this subject. (What do you learn in this subject? Does the subject's content match your expectations? Is there a good balance between application and theory? What are the subject's strong and weak points?)
This was basically a "build a rover" lab; a scaled - of wasin
7. What are your reasons for taking this subject? Why should someone else take this subject? What advice would you give to friends planning to take this subject?
Interest in pobolics; AI; software engineering
8. Please rank which aspects of the subject are most helpful to you in learning the material, where 1 is most helpful: lectures: 3 readings: 1 recitations: 1 tutorials: 1 problem sets: 1 labs: 1
PROBLEM SETS 9. Comment on the problem sets. (How useful are they in learning the material? Are solutions distributed promptly? Are they clear?)
10. To what extent do you collaborate on the problem sets? Is this helpful in learning the material?
11. Do you use a bible (collection of homework and exams from a previous semester)? Do you recommend using one
LAB WORK / DESIGN PROJECTS  12. Comment on the labs and design projects. (How well do they help you learn the material? Are they reasonable in length? Is lab equipment reliable and accessible?)
New course > project was somewhat it-defined. Spent a lot of hime
READINGS  13. Comment on the textbook and class notes. (Do they exist? Are they useful?)
Bade is interesting, but not overly helpful
EXAMS AND QUIZZES  14. Comment on exams and quizzes. (How well do they draw out your understanding of the material? What is essential for doing well on them? How do the quizzes compare to the problem sets and labs?)
RANTS AND RAVES
15. In summary, what are the best and worst aspects of this class?  WHAT'S HOT?  WHAT'S NOT?
SICK loser scappers thuriname issues
Real robotics lab Lake of fine for final project.  Hoge softwere project those softwere project.  16. What do you think of the Underground Guide? Any suggestions for improvement?
Hoge software project  16. What do you think of the Underground Guide? Any suggestions for improvement?
I have not Cailed I have just Carl
I have not failed. I have just found 10,000 ways that both work
who mad they would

### HKN Underground Guide Course Evaluation Form - Fall 2005 Subject Number: 6.139 Your Course: VI-1 VI-2 VI-3 VI-P (MEng) Other \_\_\_\_\_ Your Class: '09 '08 '07 (06) MEng G Graduate Area: I II III IV V VII TIME COMMITMENT 1. How many hours per week do you spend on this subject: Attending lectures, recitations, and tutorials: 3 Doing projects and labs: 6-12 003 Studying, reading, and completing problem sets: O How many hours did each problem set take? MA 2. What are the realistic prerequisites for taking this class? (classes, time, research experience, programming, mathematical background, etc.) thong Jan background, free time **RATINGS** 3. Overall Class Rating: 1=poor, 4=average, 7=exceptional 1 2 3 4 5 6 7 1 2 3 4 5 6 7 4. Difficulty Level: 1=trivial, 4=average MIT, 7=excruciating (how hard it makes you think, not how long it takes) **TEACHING STAFF** 5. For each member of the teaching staff who taught you, write the instructor's name, circle what the instructor taught, and rate the instructor on a scale where 1=poor, 4=average, and 7=excellent. Name: D- Rus Lecture Recitation Tutorial Rating: 1 Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements. Rating: 1 2 3 4 5 6 7 Great adviso - very implied. **Lecture Recitation Tutorial** Rating: 1 2 3 4 5 6 7 Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.

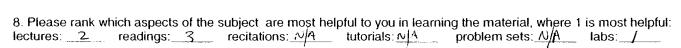
Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.

Rating: 1 2 3 4 5 6 7

**Lecture Recitation Tutorial** 

Name: Lecture Recitation Tutorial Rating: 1 2 3 4 5 6 7 Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.

	content of this su e a good balanc	e between app	olication and theo	ry? What are the	ne subject's content match subject's strong and weak	-
7. What are your rea		•	hy should some	one else take this	subject? What advice wou	id you



### **PROBLEM SETS**

- 9. Comment on the problem sets. (How useful are they in learning the material? Are solutions distributed promptly? Are they clear?)
- 10. To what extent do you collaborate on the problem sets? Is this helpful in learning the material?
- 11. Do you use a bible (collection of homework and exams from a previous semester)? Do you recommend using one?

### LAB WORK / DESIGN PROJECTS

Interested in topic

12. Comment on the labs and design projects. (How well do they help you learn the material? Are they reasonable in length? Is lab equipment reliable and accessible?)

One term-long project - great learning experience

#### **READINGS**

13. Comment on the textbook and class notes. (Do they exist? Are they useful?)

W/4

### **EXAMS AND QUIZZES**

14. Comment on exams and quizzes. (How well do they draw out your understanding of the material? What is essential for doing well on them? How do the quizzes compare to the problem sets and labs?)

N/A

#### **RANTS AND RAVES**

15. In summary, what are the best and worst aspects of this class?

WHAT'S HOT?

WHAT'S NOT?

robots

handware de borg

### HKN Underground Guide Course Evaluation Form - Fall 2005 Subject Number: 6.189 Your Course: VI-1 VI-2 VI-3 VI-P (MEng) Other \_\_\_\_\_ Your Class: '09 '08 '07 (06) MEng G Graduate Area: I II III IV V VII TIME COMMITMENT 1. How many hours per week do you spend on this subject: Attending lectures, recitations, and tutorials: 3+4; Doing projects and labs: 10 Studying, reading, and completing problem sets: \_\_\_\_ 004 How many hours did each problem set take? 2. What are the realistic prerequisites for taking this class? (classes, time, research experience, programming, mathematical background, etc.) Programming. The Buggy code is killer **RATINGS** 123456 3. Overall Class Rating: 1=poor, 4=average, 7=exceptional 4. Difficulty Level: 1=trivial, 4=average MIT, 7=excruciating (how hard it makes you think, not how long it takes) **TEACHING STAFF** 5. For each member of the teaching staff who taught you, write the instructor's name, circle what the instructor taught, and rate the instructor on a scale where 1=poor, 4=average, and 7=excellent. Lecture Recitation Tutorial Rating: 1 2 3 4 5 6 7 Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements. All the prop are great—a little to hands-off in our meetings, but three Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements. Rating: 1 2 3 4 5 6 7 this is a big problem & derign to ligne out. **Lecture Recitation Tutorial** Rating: 1 2 3 4 5 6 7 Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.

Name: \_\_\_\_\_\_ Lecture Recitation Tutorial Rating: 1 2 3 4 5 6 7 Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.

LA'n are great - very dedicated.

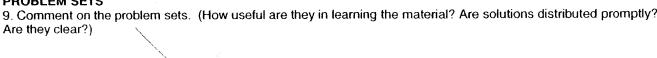
SUBJECT CONTENT  6. Comment on the content of this subject. (What do you learn in this subject? Does the subject's content match your expectations? Is there a good balance between application and theory? What are the subject's strong and weak
behavior band motems Alfensive programing
7. What are your reasons for taking this subject? Why should someone else take this subject? What advice would you give to friends planning to take this subject?
jeg of robots.
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PROBLEM SETS 9. Comment on the problem sets. (How useful are they in learning the material? Are solutions distributed promptly? Are they clear?)
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11. Do you use a bible (collection of homework and exams from a previous semester)? Do you recommend using one:
LAB WORK / DESIGN PROJECTS  12. Comment on the labs and design projects. (How well do they help you learn the material? Are they reasonable in length? Is lab equipment reliable and accessible?)
Averone. learn algorithms for cognition/
READINGS VISIAM/ 5 cammatching of plus integrations.  13. Comment on the textbook and class notes. (Do they exist? Are they useful?)  Leading the comment of the textbook and class notes. (Do they exist? Are they useful?)
(1)
EXAMS AND QUIZZES  14. Comment on exams and quizzes. (How well do they draw out your understanding of the material? What is essential for doing well on them? How do the quizzes compare to the problem sets and labs?)
RANTS AND RAVES  15. In summary, what are the best and worst aspects of this class?
Programming, team work Broken odometry

16. What do you think of the Underground Guide? Any suggestions for improvement?

keep it simple. Dut in the hard worke 1. stradelm. For design & integration early

Your Class: '09 '08 ( <sup>1</sup> 07) '06 MEng G	Course: VI-1 VI-2 VI- or	3 VI-P (	MEnç	<b>)</b>	Oth	er	
CINAC CONSIDERATION TO	Graduate Area:	II IV V	' VI				
TIME COMMITMENT  . How many hours per week do you spend on this subject:  Attending lectures, recitations, and tutorials:  Doing projects and labs:  Studying, reading, and completing problem sets:  How many hours did each problem set take?		<b>0</b> C	5				
2. What are the realistic prerequisites for taking this class? (conathematical background, etc.)  Prycommon Ability, robotics experience.	classes, time, research exp	erience, <sub>l</sub>	orogra	amn	ning	J.	
RATINGS  3. Overall Class Rating: 1=poor, 4=average, 7=exceptional  4. Difficulty Level: 1=trivial, 4=average MIT, 7=excruciating  (how hard it makes you think, not how long it takes)	1 2 3 4 5 6 7 1 2 3 4 5 6 7						
FEACHING STAFF 5. For each member of the teaching staff who taught you, write and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and 4=ave	te the instructor's name, cir and 7=excellent.	cle what t	the in	stru	ctor	' taı	ıght,
Name: <u>Ung Mey O Ref.</u> Lecture Recitation Tu Comment on teaching (presentation style, blackboard technic	i <b>torial f</b> que, clarity). Suggest impro	Rating: 1 ovements:	2 3	4	5	6	7
Comment on teaching presentation style, blackboard technic  Name:	que, clarity). Suggest impro	ovements.	2 3				
Comment on teaching (presentation style, blackboard technic	que, clarity). Suggest impro  itorial F que, clarity). Suggest impro	Rating: 1	2 3	4	5	6	7
Comment on teaching presentation style, blackboard technic Name: Lecture Recitation Tu Comment on teaching (presentation style, blackboard technic Name: Lecture Recitation Tu	utorial F que, clarity). Suggest impro	Rating: 1	2 3	4	5	6	7

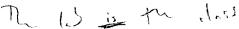
SUBJECT CONTENT  6. Comment on the content of this subject. (What do you learn in this subject? Does the subject's content match your expectations? Is there a good balance between application and theory? What are the subject's strong and weak points?)
points?) here how to design and implement a robbie system. Not as much of a class as it is a term-rib project. Fin
7. What are your reasons for taking this subject? Why should someone else take this subject? What advice would you give to friends planning to take this subject?  I like rishtics. It is great experience for anyon introduced at the first transfer of the company introduced at the
8. Please rank which aspects of the subject are most helpful to you in learning the material, where 1 is most helpful: lectures: 2 readings: 7 recitations: 1 tutorials: 1 problem sets: 1 labs: 1
PROBLEM SETS  Of Company on the graphem and a (House upoful are those in learning the material? Are solutions distributed promptly?



- 10. To what extent do you collaborate on the problem sets? Is this helpful in learning the material?
- 11. Do you use a bible (collection of homework and exams from a previous semester)? Do you recommend using one

### LAB WORK / DESIGN PROJECTS

12. Comment on the labs and design projects. (How well do they help you learn the material? Are they reasonable in length? Is lab equipment reliable and accessible?)



### READINGS

13. Comment on the textbook and class notes. (Do they exist? Are they useful?)



#### **EXAMS AND QUIZZES**

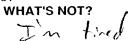
14. Comment on exams and quizzes. (How well do they draw out your understanding of the material? What is essential for doing well on them? How do the quizzes compare to the problem sets and labs?)



**RANTS AND RAVES** 

15. In summary, what are the best and worst aspects of this class?

WHAT'S HOT?



16. What do you think of the Underground Guide? Any suggestions for improvement?

MA

HKN Underground Guide Course Evaluation Form – Fall 2005
Subject Number: 6, 189 (6, 1472) Your Class: '09 '08 '07 ('06) MEng G  Your Course: VI-1 (VI-2) VI-3 VI-P (MEng) Other
TIME COMMITMENT  1. How many hours per week do you spend on this subject:  Attending lectures, recitations, and tutorials: 2  Doing projects and labs: 12 at the and  Studying, reading, and completing problem sets:  How many hours did each problem set take?
2. What are the realistic prerequisites for taking this class? (classes, time, research experience, programming, mathematical background, etc.)  NOTE: MASIA DEPTH
RATINGS 3. Overall Class Rating: 1=poor, 4=average, 7=exceptional 4. Difficulty Level: 1=trivial, 4=average MIT, 7=excruciating (how hard it makes you think, not how long it takes)  1 2 3 4 5 6 7
TEACHING STAFF  5. For each member of the teaching staff who taught you, write the instructor's name, circle what the instructor taught, and rate the instructor on a scale where 1=poor, 4=average, and 7=excellent.
Name: Nick Ray (Lecture Recitation Tutorial Rating: 1 2 3 4 5 6)7 Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.  softwere gay wrote low-level software, helpful systems advice and guidance
Name: Una-May O'Reilly (ecture) Recitation Tutorial Rating: 1 2 3 4 5 6 7 Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.  Speakes quickly, gives good advice but we always practical or beful
Name: Evic Tung Lecture Recitation (utoria) Rating: 1 2 3 4 5 6 7 Comment on teaching (plesentation style, blackboard technique, clarity). Suggest improvements.  Lelyfol hardware suggestions
Name: Sam Prentice Lecture Recitation (Tutorial)  Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.  Welpful, network gry, set up computer landware + network

<b>SUBJECT CONTENT</b> 6. Comment on the content of this subject. (What do you learn in this subject? Does the subject's content match your expectations? Is there a good balance between application and theory? What are the subject's extreme and work
expectations? Is there a good balance between application and theory? What are the subject's strong and weak points?)
systems integration, large software builds (java) sensor hardware (c code)
7. What are your reasons for taking this subject? Why should someone else take this subject? What advice would you give to friends planning to take this subject?
took MASUL, RSS: I
8. Please rank which aspects of the subject are most helpful to you in learning the material, where 1 is most helpful: lectures: readings: recitations: tutorials: problem sets: labs:
PROBLEM SETS 9. Comment on the problem sets. (How useful are they in learning the material? Are solutions distributed promptly? Are they clear?)
10. To what extent do you collaborate on the problem sets? Is this helpful in learning the material?
11. Do you use a bible (collection of homework and exams from a previous semester)? Do you recommend using one?
LAB WORK / DESIGN PROJECTS  12. Comment on the labs and design projects. (How well do they help you learn the material? Are they reasonable in length? Is lab equipment reliable and accessible?)
length? Is lab equipment reliable and accessible?)  Lab is your life Design reviews helpful but too frequent  READINGS Needs infrastructure ironed out (network, CPU, power, chassis)
READINGS  Needs intrastructive tooks out (network, CPU) power, Chassis)  13. Comment on the textbook and class notes. (Do they exist? Are they useful?)
<b>EXAMS AND QUIZZES</b> 14. Comment on exams and quizzes. (How well do they draw out your understanding of the material? What is essential for doing well on them? How do the quizzes compare to the problem sets and labs?)
RANTS AND RAVES 15. In summary, what are the best and worst aspects of this class?
WHAT'S HOT? WHAT'S NOT?

Subject Number: <u>6.159</u> Your Your Class: '09 '08 '07 '06 MEng G	Course: VI-1 VI-2 VI-3 VI-P (MEng) Other or
TIME COMMITMENT	Graduate Area: I II III IV V VII
. How many hours <b>per week</b> do you spend on this subject: Attending lectures, recitations, and tutorials: Doing projects and labs: Studying, reading, and completing problem sets: How many hours did <b>each</b> problem set take?	- 007
<ol> <li>What are the realistic prerequisites for taking this class? (another taking this class?)</li> </ol>	classes, time, research experience, programming,
Programing experience, howledge the power to restaurch of the power to	e of Java (or C++), linux usage e obotics 1 2 3 4 5 6 7 1 2 3 4 5 6 7
<b>FEACHING STAFF</b> 5. For each member of the teaching staff who taught you, writed and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and rate the instructor on a scale where 1=poor, 4=average, and a scale where 1=poor, and a scale where 1=po	te the instructor's name, circle what the instructor taught, and 7=excellent.
Name: Teller Lecture Recitation To	utorial Rating: 1 2 3 4 5 6 7 que, clarity). Suggest improvements.
Name: N. Roy Lecture Recitation To Comment on teaching (presentation style, blackboard technic	Itorial Rating: 1 2 3 4 5 6 7 que, clarity). Suggest improvements.
Extremely helpful in debuging at all hours to help	problems. Willing to come in
Name: <u>O'Reily</u> <b>Lecture Recitation Te</b> Comment on teaching (presentation style, blackboard technic	atorial Rating: 1 2 3 4 5 6 7 que, clarity). Suggest improvements.
Name: J Leonard Lecture Recitation To Comment on teaching (presentation style, blackboard technic	utorial Rating: 1 2 3 4 5 6 7 que, clarity). Suggest improvements.

6. Comment on the content of this subject. (What do you learn in this subject? Does the subject's content match your expectations? Is there a good balance between application and theory? What are the subject's strong and weak points?)
pratical exerience with building and programing the controll for a robot (with all the grang, hadaches)  7. What are your reasons for taking this subject? Why should someone else take this subject? What advice would you give to friends planning to take this subject?
give to friends planning to take this subject? What advice would you significantly the subject of the subject of the subject are most helpful to you in learning the material, where 1 is most helpful:    Recture   Problem   Pro
PROBLEM SETS 9. Comment on the problem sets. (How useful are they in learning the material? Are solutions distributed promptly? Are they clear?)
W/A
10. To what extent do you collaborate on the problem sets? Is this helpful in learning the material?  \( \bigcup_{A} \)  11. Do you use a bible (collection of homework and exams from a previous semester)? Do you recommend using one:
LAB WORK / DESIGN PROJECTS  12. Comment on the labs and design projects. (How well do they help you learn the material? Are they reasonable in length? Is lab equipment reliable and accessible?)
lab give good experience with all the design/der problem face of in robotics
13. Comment on the textbook and class notes. (Do they exist? Are they useful?)
don't exist (coold provide more docs)
EXAMS AND QUIZZES  14. Comment on exams and quizzes. (How well do they draw out your understanding of the material? What is essential for doing well on them? How do the quizzes compare to the problem sets and labs?)
N/A
RANTS AND RAVES 15. In summary, what are the best and worst aspects of this class? WHAT'S HOT? WHAT'S NOT?
building a robot  16. What do you think of the Underground Guide? Any suggestions for improvement? Fest coole
16. What do you think of the Underground Guide? Any suggestions for improvement? トとらせ こうって

great

SUBJECT CONTENT

Your Class: '09 '08 '07) '06 MEng G	Course: VI-1 VI-2 (	·		
1. How many hours <b>per week</b> do you spend on this subject: Attending lectures, recitations, and tutorials: Z Doing projects and labs: 10+ Studying, reading, and completing problem sets: NA How many hours did <b>each</b> problem set take? NA	Graduate Area: I II	00	8	
2. What are the realistic prerequisites for taking this class? (clamathematical background, etc.) Deplation the subjection for ramphily experience is important.	asses, time, research ex y yw we in . 6.03	operience, prog 4 , 617 b	pramming, an usta	1.
RATINGS 3. Overall Class Rating: 1=poor, 4=average, 7=exceptional 4. Difficulty Level: 1=trivial, 4=average MIT, 7=excruciating (how hard it makes you think, not how long it takes)	1 2 3 4 5 <b>6</b> 7 1 2 3 4 <b>5</b> 6 7			
<b>TEACHING STAFF</b> 5. For each member of the teaching staff who taught you, write and rate the instructor on a scale where 1=poor, 4=average, and	the instructor's name, od 7=excellent.	sircle what the i	instructor tau	ıght,
Name: Nicholas Pay Cecture Recitation Tute Comment on teaching (presentation style, blackboard technique Could at promoting class descussion	orial ie, clarity). Suggest imp	Rating: 1 2 rovements.	3 4 5 6	7
Name: Part rul Lecture Recitation Tute Comment on teaching (presentation style, blackboard technique)	orial e, clarity). Suggest imp	Rating: 1 2 rovements.	3 4 (5) 6	7
Name: John Lorand Lecture Recitation Tuto Comment on teaching (presentation style, blackboard technique Try to Compact presentations, usually only what	e. clarity). Suggest imp	Rating: 1 2 rovements.	3 4 (5) 6	7
Name: Seth Tellor Lecture Recitation Tute Comment on teaching (presentation style, blackboard technique)	orial e, clarity). Suggest imp	Rating: 1 2 rovements.	3 4 (5) 6	7

Nate: Una May O'relly

(lecture) Rentino Tutoral

Ref. 1274 667

SUBJECT CONTENT  6. Comment on the content of this subject. (What do you learn in this subject? Does the subject's content match your expectations? Is there a good balance between application and theory? What are the subject's strong and weak points?)
More theory would be 1000. Strong point! (ots of hands on experience weak! possibly for anti-flow)
7. What are your reasons for taking this subject? Why should someone else take this subject? What advice would you give to friends planning to take this subject?  I look this rubjed to explore robotics, someone should take this if they
have a strong interest in robotics and has note idea as what aspect they like
8. Please rank which aspects of the subject are most helpful to you in learning the material, where 1 is most helpful: lectures: readings: recitations: tutorials: problem sets: labs:
PROBLEM SETS  9. Comment on the problem sets. (How useful are they in learning the material? Are solutions distributed promptly? Are they clear?)
10. To what extent do you collaborate on the problem sets? Is this helpful in learning the material?
11. Do you use a bible (collection of homework and exams from a previous semester)? Do you recommend using one?
LAB WORK / DESIGN PROJECTS  12. Comment on the labs and design projects. (How well do they help you learn the material? Are they reasonable in length? Is lab equipment reliable and accessible?)  Lab 2 Could have wiel more gridance  Final Pajed well structured but not exompt the to complete. Hardware failure unfel  Final Pajed well structured but not exompt the to complete. Hardware failure unfel
READINGS  13. Comment on the textbook and class notes. (Do they exist? Are they useful?)
The definition of the contract with stage the contract of the stage of the contract of the con

**EXAMS AND QUIZZES** 14. Comment on exams and quizzes. (How well do they draw out your understanding of the material? What is essential for doing well on them? How do the quizzes compare to the problem sets and labs?)

RANTS AND RA	V١	<b>ES</b>
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15. In summary, what are the best and worst aspects of this class?

WHAT'S HOT?

cots of hours on experie

WHAT'S NOT? Hely time invertinent

Subject Number: 6 189 Your Class: '09 '08 '07 ('06) MEng G	Course: VI-1 VI-2 VI-3 VI-P (MEng) Other
TIME COMMITMENT  1. How many hours per week do you spend on this subject:  Attending lectures, recitations, and tutorials:(o	Graduate Area: I II III IV V VII
How many hours did each problem set take? 15  2. What are the realistic prerequisites for taking this class? (climathematical background, etc.) Programming in Java much to take EssI (6.188) attrough it helps control systems, and robotics is very use RATINGS a lot of time.  3. Overall Class Rating: 1=poor, 4=average, 7=exceptional 4. Difficulty Level: 1=trivial, 4=average MIT, 7=excruciating (how hard it makes you think, not how long it takes)	helps a great dual; you don't; knowledge of EE, MechE, ful. The class also requires
TEACHING STAFF 5. For each member of the teaching staff who taught you, write and rate the instructor on a scale where 1=poor, 4=average, ar	the instructor's name, circle what the instructor taught, and 7=excellent.
Name: Seth Teller (Lecture) Recitation Tut Comment on teaching (presentation style, blackboard technique Prof. T is awasome. He's very knowledge is always available to answer quistion throughout the course of the terr	ue, clarity). Suggest improvements.
Name: Sam Prentice Lecture Recitation (ut Comment on teaching (presentation style, blackboard techniques am was a really amazing TA. He starthing weren't working, made himself put a ridiculous amount of time into Sure the robots were up and running	god up most nights with us when available to answerquestions and
Name: Lecture Recitation Tut Comment on teaching (presentation style, blackboard technique)	orial Rating: 1 2 3 4 5 6 7 ue, clarity). Suggest improvements.
Name: Lecture Recitation Tut Comment on teaching (presentation style, blackboard technique)	orial Rating: 1 2 3 4 5 6 7 le, clarity). Suggest improvements.

$\sim$ 100	·COT	$\Delta$	
SHB.	11-1-1	1 .1 )	NTFNT

6. Comment on the content of this subject. (What do you learn in this subject? Does the subject's content match your expectations? Is there a good balance between application and theory? What are the subject's strong and weak points?) interfacing hardware and software in robotics, robot control and manipulation (specifics depend on what module you to cus on-Planning, vision, manipulation, etc.) some of The theory is very high-level and vaque I wish we covered more useful things sometimes. 7. What are your reasons for taking this subject? Why should someone else take this subject? What advice would you give to friends planning to take this subject? I took this Lourse because I thought it would be interesting I like AI and robotis, and because I thought some of the material would be useful for my future research you aske is greatly improved.

8. Please rank which aspects of the subject are most helpful to you in learning the material, where I is most helpful: lectures: a readings: 3 recitations: NA tutorials: NA problem sets: NA labs:

#### **PROBLEM SETS**

Comment on the problem sets. (How useful are they in learning the material? Are solutions distributed promptly? Are they clear?)

MA

10. To what extent do you collaborate on the problem sets? Is this helpful in learning the material?

11. Do you use a bible (collection of homework and exams from a previous semester)? Do you recommend using one's

#### LAB WORK / DESIGN PROJECTS

12. Comment on the labs and design projects. (How well do they help you learn the material? Are they reasonable in length? Is lab equipment reliable and accessible?)

Labs and the timal design project and up taking a ride intously and unnecessarily so amount of the because of hardware failures, pour network connectivity, other groups code that doesn't compile I didn't learn nearly as much mothis class as I had reped.

There are no class notes, except for betwee slides which are posted on line These are vaguely useful. Fread about a total of one chapter of the main lough text Building Mobile Robots" or something along those lines EXAMS AND QUIZZES and it was pretty nelptul and useful.

14. Comment on exams and guizzes. (How well do they draw out your understanding of the material? What is essential for doing well on them? How do the guizzes compare to the problem sets and labs?)

NIA

### RANTS AND RAVES

15. In summary, what are the best and worst aspects of this class?

WHAT'S HOT?

WHAT'S NOT?

instructors

TAIS quest lecturers poor network connectivity
hardware failures
other groups' code not compilling
hours spent in lab in vain

16. What do you think of the Underground Guide? Any suggestions for improvement?

J-18 And

HKN Underground Guide Cours	e Evaluation Form – Fall 2005
Subject Number: 6.144 Your Class: '09 '08 600'06 MEng G	Course: VI-1 VI-2 VI-3 VI-P (MEng) Other
1. How many hours per week do you spend on this subject: Attending lectures, recitations, and tutorials: 2.5 Doing projects and labs: 25 Studying, reading, and completing problem sets: D How many hours did each problem set take?	Graduate Area:
2. What are the realistic prerequisites for taking this class? (cl. mathematical background, etc.)  Lots of coding experience	•
RATINGS 3. Overall Class Rating: 1=poor, 4=average, 7=exceptional 4. Difficulty Level: 1=trivial, 4=average MIT, 7=excruciating (how hard it makes you think, not how long it takes)	1 2 3 4 5 <b>6</b> 7 1 2 3 <b>1</b> 5 6 7
<b>TEACHING STAFF</b> 5. For each member of the teaching staff who taught you, write and rate the instructor on a scale where 1=poor, 4=average, and	the instructor's name, circle what the instructor taught, and 7=excellent.
Name: Nick Roy  Lecture Recitation Tut  Comment on teaching (presentation style, blackboard technique  Enthusiastic always trying to	eorial Rating: 1 2 3 4 5 6 7 ue, clarity). Suggest improvements.  Welp, kept a good sense of human
Name: Seth Teller Tecture Recitation Ture Comment on teaching (presentation style, blackboard technique Went Learn	corial Rating: 1 2 3 4 5 6 00 ue, clarity). Suggest improvements.  When needed. Strove to make us
Name: Daniela Rus Lecture Recitation Tut Comment on teaching (presentation style, blackboard technique Servel morals bosshers, but	ue, clarity). Suggest improvements.
Name: John Leonard Lecture Recitation Tut Comment on teaching (presentation style, blackboard technique	

Seemed enthusiastic, but I had minimal contact with him.

SUBJECT CONTENT  6. Comment on the content of this subject. (What do you learn in this subject? Does the subject's content match your expectations? Is there a good balance between application and theory? What are the subject's strong and weak points?)  The you learn things, it'll be pretty on your own research. In class, you learn about engineering printing.
7. What are your reasons for taking this subject? Why should someone else take this subject? What advice would you give to friends planning to take this subject?
Pobots are my thing. If you love robots and have patience, take the class
8. Please rank which aspects of the subject are most helpful to you in learning the material, where 1 is most helpful: lectures: readings: recitations: tutorials: problem sets: labs:
PROBLEM SETS  9. Comment on the problem sets. (How useful are they in learning the material? Are solutions distributed promptly? Are they clear?)
NA
10. To what extent do you collaborate on the problem sets? Is this helpful in learning the material?
11. Do you use a bible (collection of homework and exams from a previous semester)? Do you recommend using one?
LAB WORK / DESIGN PROJECTS  12. Comment on the labs and design projects. (How well do they help you learn the material? Are they reasonable in length? Is lab equipment reliable and accessible?)  This classis purely as lab. That's where all the learning happens
READINGS

13. Comment on the textbook and class notes. (Do they exist? Are they useful?)

Don't really exist

### **EXAMS AND QUIZZES**

14. Comment on exams and guizzes. (How well do they draw out your understanding of the material? What is essential for doing well on them? How do the quizzes compare to the problem sets and labs?)

### **RANTS AND RAVES**

15. In summary, what are the best and worst aspects of this class?

WHAT'S HOT? Prof. Teller & Roy

Broken hardware Broken groups.

HKN Underground Guide Course Evaluation Form - Fall 2005	
Subject Number: 16.4017 RSSIT Your Course: VI-1 VI-2 VI-3 VI-P (MEng) Other Your Class: '09 '08 '07 (06) MEng G or Graduate Area: I II III IV V VII	16
TIME COMMITMENT  1. How many hours per week do you spend on this subject: Attending lectures, recitations, and tutorials: 2-3 Doing projects and labs: 6 Studying, reading, and completing problem sets: 1 How many hours did each problem set take? NA	
2. What are the realistic prerequisites for taking this class? (classes, time, research experience, programming, mathematical background, etc.) Some programming (pause preferred), enthusias m	
RATINGS 3. Overall Class Rating: 1=poor, 4=average, 7=exceptional 4. Difficulty Level: 1=trivial, 4=average MIT, 7=excruciating (how hard it makes you think, not how long it takes)  1 2 3 4 5 6 7	
<b>TEACHING STAFF</b> 5. For each member of the teaching staff who taught you, write the instructor's name, circle what the instructor tau and rate the instructor on a scale where 1=poor, 4=average, and 7=excellent.	ght,
Name: Lecture Recitation Tutorial Rating: 1 2 3 4 5 6 Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.	<b>7</b>
Name: Lecture Recitation Tutorial Rating: 1 2 3 4 5 6 Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.	7
Name: Lecture Recitation Tutorial Rating: 1 2 3 4 5 6 Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.	7

Name: \_\_\_\_\_ Lecture Recitation Tutorial Rating: 1
Comment on teaching (presentation style, blackboard technique, clarity). Suggest improvements.

Rating: 1 2 3 4 5 6 7

expectation	ns? Is the	ere a go	od balance b	etween app	lication and th	neory? What are	es the subject's the subject's str	content mat ong and we	tch your eak
points?)	How	to	merge	code	with	reality,			
7. What ar give to frie	e your re nds plan	easons fo ning to ta	or taking this ake this subj	subject? W	hy should sor	neone else take	this subject? Wh	nat advice w	vould you  A.T., a
chall	euje	wysel	if with	real	problem	s/research.	application	•	<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>
8. Please (lectures:	rank whic	ch aspec readings	ts of the sub	oject are mo ecitations:	ost helpful to y tutoria	rou in learning th	e material, where oblem sets:	e 1 is most labs:	helpful:
PROBLEM 9. Comme Are they co	nt on the	problen	n sets. (How	v useful are	they in learnir	ng the material?	Are solutions dis	tributed pro	mptly?
Λ	SA								
	at extent VA	do you d	collaborate o	n the proble	m sets? Is thi	s helpful in learr	ning the material?	?	
11. Do you <i>M</i> .		ible (coll	ection of hor	mework and	exams from a	a previous seme	ester)? Do you re	commend u	ising one:
LAB WOR 12. Comm length? Is	ent on th	a lahe a	nd design or	ojects. (Ho	w well do they	help you learn t	the material? Are	they reaso	nable in
to	do	This	, but	often	HW	on learn would	1 (ly 13 slow/	The d'inhili	t pagn
READING	_	e textho	nk and class	enotes (Do	thay aviet? A	re they useful?)			
C(a)	3.55	notes	ok and class Wer	e 900	diey exist: A	e they useful!)	a which	4	ven c
F	161150	l an	we	J 0 (P	able	to conc	outsite on a	certain 1	resection
14. 0011111	CHI OH C	vaille all	u quizzes. (i	now well do	mey draw ou	t your understand the problem se	n which out of out of the one of the mate ts and labs?)	しみ、 rial? What i	s
NA									
RANTS AI 15. In sum WHAT'S H	mary wh	nat are th	ne best and we see and we see and expenses are expenses and expenses and expenses are expenses and expenses are expenses and expenses are expenses and expenses are expenses and expenses are expenses are expenses and expenses are expenses and expenses are expenses and expenses are expenses are expenses and expenses are expenses are expenses are expenses and expenses are expenses a	worst aspec ! grewt 2 resea grevts t	ts of this class  in 15  in ts  with  gether.	s? WHAT'S NOT?	Structure tough 7 a Lack of ent? W nour	e wo	S trol
16. What o	do you th	ink of the	e Undergrou	nd Guide? A	ny suggestion	ns for improvem	ent?W Moun	285.//	

SUBJECT CONTENT