

VIP ECE 495 – Global Collaboration on Long Distance Vehicle

Faculty Advisors:

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Grading:

<u>Design Notebook (INDIVIDUAL)</u>	<u>10%</u>
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- *Update at least weekly starting 2nd week.*
- *Post on project Wiki (notebook assessment form from ECE477)*

<u>Communications with HKUST (TEAM)</u>	<u>10%</u>
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- *Include meeting notes on project Wiki*
- *At least weekly starting 2nd week.*
- *All students should attend. If this is not possible they should send apologies.*
- *Agenda should be published at least 1 day before the meeting.*
- *Minutes should be published alternating between a Purdue student and an HKUST student*

<u>Semester 1 Project outcomes (TEAM)</u>	<u>20%</u>
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All must be accepted by course staff to get better than C.

- *Demonstration of viable hardware TCP/IP link between HKUST and Purdue transferring meaningful data (i.e. not simply a ping!). Could be: RS232 serial -> tcpip -> RS232 serial and a hyperterm conversation carried out. Demonstration of the chosen microcontroller having a physical effect on the world.*
- *Agreement with HKUST on features*
- *Agreement with HKUST Interface definition*
- *Selection/justification/acquisition of major components.*
- *Agreement with HKUST on common components*

<u>Project schedule compliance (TEAM)</u>	<u>10%</u>
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<u>Significance of INDIVIDUAL contribution</u>	<u>20%</u>
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- *Based on Instructor observation, TA observation.*
- *Peer evaluations taken into consideration*

Presentation & documentation (TEAM): 30%

Design Review	10%
Poster	5%
Final Report	10%
Final Presentation	5%

(for items marked TEAM, individual must be able to document significant contribution agreed to by instructor for credit)

Tentative Schedule

Changes to schedule may be made by announcements at meeting and by e-mail

	Milestone
Week 1: 8/22	
Week 2: 8/29	
Week 3: 9/5	Present Microcontroller Choices
Week 4: 9/12	
Week 5: 9/19	
Week 6: 9/26	
Week 7: 10/3	
Week 8: 10/10	Design Review
Week 9: 10/17	
Week 10: 10/24	Demo TCP/IP link
Week 11: 10/31	
Week 12: 11/7	Poster Session
Week 13: 11/14	
Week 14: 11/21	NO MEETING – Thanksgiving holiday
Week 15: 11/28	Demo simple remote control via TCP/IP
Week 16: 12/5	Final Presentation, Report, and Poster