

New Course Request

Indiana University

Indianapolis Campus

Check Appropriate Boxes: Undergraduate credit

Graduate credit

Professional credit

1. School/Division School of Engineering & Technology 2. Academic Subject Code MSTE

3. Course Number 49000 must be cleared with University Enrollment Services) 4. Instructor Pete Hylton

5. Course Title Motorsports Engineering Independent Study

Recommended Abbreviation (Optional) _____
(Limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year): Spring 2010

7. Credit Hours: Fixed at _____ or Variable from 1 to 3

8. Is this course to be graded S-F (only)? Yes ___ No X

9. Is variable title approval being requested? Yes ___ No X

10. Course description (not to exceed 50 words) for Bulletin publication: _____

P: Permission of instructor. This is an independent study course for students wishing to pursue additional motorsports studies under the direction of a faculty advisor.

11. Lecture Contact Hours: Fixed at _____ or Variable from _____ to _____

12. Non-Lecture Contact Hours: Fixed at _____ or Variable from 1 to 3

13. Estimated enrollment: 25 of which 0 percent are expected to be graduate students.

14. Frequency of scheduling: yearly Will this course be required for majors? no

15. Justification for new course: Part of the already approved BS in Motorsports Engineering

16. Are the necessary reading materials currently available in the appropriate library? yes

17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.

18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by: [Signature] Date 9-10-09

Date Department Chairman/Division Director _____
Date _____
Dean of Graduate School (when required) _____

Approved by: [Signature] Date 9-14-09

Date _____
Chancellor/Vice-President _____

Date _____
University Enrollment Services _____

After School Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.

PURDUE SCHOOL OF ENGINEERING & TECHNOLOGY OUTCOMES AND ASSESSMENT DATA SHEET

This is an internal document to identify and record expected outcomes and anticipated assessment strategies for all courses taught within the School of Engineering and Technology. Submission of this form, as noted below, is required and must accompany all new course and course change requests. Copies of this form should also be retained within the department and kept on file with the outline or syllabus for each course.

Course Number. MSTE 49000 Course Title: Motorsports Engineering Ind. Study

Procedure:

First, identify all instructional outcomes expected for this course, and then select all ABET outcomes which are consistent with those anticipated objectives from TABLE 1 below.

TABLE 1 - ABET OUTCOMES

ENGINEERING - EAC Criteria #3	#
An ability to apply knowledge of mathematics, science, and engineering	a
An ability to design and construct experiments as well as to analyze and interpret data.	b
An ability to design a system, component, or process to meet desired needs.	c
An ability to function on multi-disciplinary teams.	d
An ability to identify, formulate and solve engineering problems.	e
An understanding of professional and ethical responsibility.	f
An ability to communicate effectively.	g
The broad education necessary to understand the impact of engineering solutions in global societal context.	h
A recognition of the need for and ability to engage in life-long learning.	i
A knowledge of contemporary issues.	j
An ability to use the techniques, skill and modern engineering tools necessary for engineering practice.	k

Subsets for each of the six IUPUI Principles of Undergraduate Learning (PUL) are given on the reverse side in TABLE 2. Using a number corresponding to each ABET outcome identified from TABLE 1 above to select a column, place a "" or "X" mark in the applicable TABLE 2 row(s) cell for each PUL. Courses will often address multiple ABET outcomes and ABET outcomes frequently will overlap more than one PUL subset. Thus, it is expected completed data sheets may contain marks in several cells thereby indicating the course simultaneously satisfies multiple Principles of Undergraduate Learning while fulfilling its intended ABET objective(s).

After completing TABLE 2, briefly define or explain how the course outcomes or objectives will be evaluated within the context of the departmental assessment program in the space below:

Students in this course will be evaluated by individual assignments on pertinent topics

Submitted By: Pete Hylton

Date: 8/15/09

PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(100-400 LEVEL)

DEPARTMENT Motorsports Engineering EFFECTIVE SESSION Spring 2010

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

<input checked="" type="checkbox"/> 1. New course with supporting documents	<input type="checkbox"/> 7. Change in course attributes (department head signature only)
<input type="checkbox"/> 2. Add existing course offered at another campus	<input type="checkbox"/> 8. Change in instructional hours
<input type="checkbox"/> 3. Expiration of a course	<input type="checkbox"/> 9. Change in course description
<input type="checkbox"/> 4. Change in course number	<input type="checkbox"/> 10. Change in course requisites
<input type="checkbox"/> 5. Change in course title	<input type="checkbox"/> 11. Change in semesters offered (department head signature only)
<input type="checkbox"/> 6. Change in course credit/type	<input type="checkbox"/> 12. Transfer from one department to another

PROPOSED: Subject Abbreviation <u>MSTE</u> Course Number <u>49000</u> Long Title <u>Motorsports Engineering Independent Study</u> Short Title <u>MSTE Ind. Study</u> <small>Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)</small>	EXISTING: Subject Abbreviation _____ Course Number _____	TERMS OFFERED Check All That Apply: <input checked="" type="checkbox"/> Summer <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring
		CAMPUS(ES) INVOLVED <input type="checkbox"/> Calumet <input type="checkbox"/> N. Central <input type="checkbox"/> Cont Ed <input type="checkbox"/> Tech Statewide <input type="checkbox"/> Ft. Wayne <input type="checkbox"/> W. Lafayette <input checked="" type="checkbox"/> Indianapolis

CREDIT TYPE 1. Fixed Credit: Cr. Hrs. _____ 2. Variable Credit Range: <u>1-3</u> Minimum Cr. Hrs _____ (Check One) To <input type="checkbox"/> Or <input type="checkbox"/> Maximum Cr. Hrs _____ 3. Equivalent Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 4. Thesis Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	COURSE ATTRIBUTES: Check All That Apply 1. Pass/Not Pass Only <input type="checkbox"/> 2. Satisfactory/Unsatisfactory Only <input type="checkbox"/> 3. Repeatable <input checked="" type="checkbox"/> Maximum Repeatable Credit: <u>6</u> 4. Credit by Examination <input type="checkbox"/> 5. Designator Required <input type="checkbox"/> 6. Special Fees <input type="checkbox"/> 7. Registration Approval Type Department <input checked="" type="checkbox"/> Instructor <input type="checkbox"/> 8. Variable Title <input type="checkbox"/> 9. Remedial <input type="checkbox"/> 10. Honors <input type="checkbox"/> 11. Full Time Privilege <input type="checkbox"/> 12. Off Campus Experience <input type="checkbox"/>
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Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)	Cross-Listed Courses	
Lecture								
Recitation								
Presentation								
Laboratory								
Lab Prep								
Studio								
Distance								
Clinic								
Experiential								
Research								
Ind. Study	180	1		15				
Pract/Observ								

COURSE DESCRIPTION (INCLUDE REQUISITES):
P: Permission of instructor. This is an independent study course for students wishing to pursue advanced studies under the direction of a faculty advisor.

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____
Indianapolis Department Head <u>[Signature]</u> Date <u>9-10-09</u>	Indianapolis School Dean <u>[Signature]</u> Date <u>9-14-09</u>
North Central Department Head _____ Date _____	North Central Chancellor _____ Date _____
West Lafayette Department Head _____ Date _____	West Lafayette College/School Dean _____ Date _____
	West Lafayette Registrar _____ Date _____

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DEPARTMENT Motorsports Engineering EFFECTIVE SESSION Spring 2010

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| <input type="checkbox"/> 6. Change in course credit/type | <input type="checkbox"/> 12. Transfer from one department to another |

PROPOSED:	EXISTING:
Subject Abbreviation <u>MSTE</u>	Subject Abbreviation _____
Course Number <u>49000</u>	Course Number _____
Long Title <u>Motorsports Engineering Independent Study</u>	
Short Title <u>MSTE Ind-Study Motorsports Engr Ind Study</u>	

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

TERMS OFFERED
Check All That Apply:

Summer Fall Spring

CAMPUS(ES) INVOLVED

<input type="checkbox"/> Calumet	<input type="checkbox"/> N. Central
<input type="checkbox"/> Cent Ed	<input type="checkbox"/> Tech Statewide
<input type="checkbox"/> Ft. Wayne	<input type="checkbox"/> W. Lafayette
<input checked="" type="checkbox"/> Indianapolis	

CREDIT TYPE	COURSE ATTRIBUTES: Check All That Apply
1. Fixed Credit: Cr. Hrs. _____	1. Pass/Not Pass Only <input type="checkbox"/>
2. Variable Credit Range: <u>1-3</u>	2. Satisfactory/Unsatisfactory Only <input type="checkbox"/>
Minimum Cr. Hrs. _____	3. Repeatable <input checked="" type="checkbox"/>
(Check One) To <input type="checkbox"/> Or <input type="checkbox"/>	Maximum Repeatable Credit: <u>6</u>
Maximum Cr. Hrs. _____	4. Credit by Examination <input type="checkbox"/>
3. Equivalent Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Designator Required <input type="checkbox"/>
4. Thesis Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	6. Special Fees <input type="checkbox"/>
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North Central Department Head _____ Date _____	North Central Chancellor _____ Date _____
West Lafayette Department Head _____ Date _____	West Lafayette College/School Dean _____ Date _____

[Signature] 9/23/09
West Lafayette Registrar

10/2/09
[Signature]