

PURDUE UNIVERSITY  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF A GRADUATE COURSE  
(500-600 LEVEL)

Graduate Council Document No. 08-27a

DEPARTMENT Mechanical Engineering EFFECTIVE SESSION Fall 2008 Spring 2009

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

<input checked="" type="checkbox"/> 1. New course with supporting documents (complete proposal form)	<input type="checkbox"/> 7. Change in course attributes
<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
<input type="checkbox"/> 6. Change in course credit/type	<input type="checkbox"/> 12. Transfer from one department to another

<b>PROPOSED:</b> Subject Abbreviation <u>ME</u> Course Number <u>554 55400</u> Long Title <u>Intellectual Property for Engineers</u> Short Title <u>Intell Prop for Engrs</u> <small>Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)</small>	<b>EXISTING:</b> Subject Abbreviation _____ Course Number _____	<b>TERMS OFFERED</b> Check All That Apply: <input type="checkbox"/> Summer <input type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <b>CAMPUS(ES) INVOLVED</b> <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 checked="" type="checkbox"/> W. Lafayette <input type="checkbox"/> Indianapolis
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<b>CREDIT TYPE</b> 1. Fixed Credit: Cr. Hrs. <u>1</u> 2. Variable Credit Range: 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"/>	<b>COURSE ATTRIBUTES: Check All That Apply</b> 1. Pass/Not Pass Only <input type="checkbox"/> 2. Satisfactory/Unsatisfactory Only <input type="checkbox"/> 3. Repeatable <input type="checkbox"/> Maximum Repeatable Credit: <input type="checkbox"/> 4. Credit by Examination <input type="checkbox"/> 5. Designator Required <input type="checkbox"/> 6. Special Fees <input type="checkbox"/> 7. Registration Approval Type <input type="checkbox"/> Department <input 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	50	1	16		Syn	Live	
Recitation							
Presentation							
Laboratory							
Lab Prep							
Studio							
Distance							
Clinic							
Experiential							
Research							
Ind. Study							
Pract/Observ							

**COURSE DESCRIPTION (INCLUDE REQUISITES):**  
**ME 554 Intellectual Property for Engineers, Sem. 2. Class 1, cr. 1. Prerequisite: Physics 172.**

Survey of the law of patents, trade secrets, trademarks, and copyrights, with special emphasis on the process of defining inventions broadly and diversely. Obtaining, registering, licensing, and litigation of intellectual property.

Professor Ramani.

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____	Calumet Undergrad Curriculum Committee _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____	Fort Wayne Chancellor _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____	<i>Michael J. Trough</i> 4/23/08 Undergrad Curriculum Committee _____ Date _____
North Central Department Head _____ Date _____	North Central Chancellor _____ Date _____	<b>APPROVED 10/16/08</b> Date Approved by Graduate Council _____
West Lafayette Department Head _____ Date _____	West Lafayette College/School Dean _____ Date _____	<i>Marilyn D. Heist</i> 12/10/08 Graduate Council Secretary _____ Date _____
<i>E. Daniel Hirleman</i> 1/28/08 Graduate Area Committee Convener _____ Date _____	Graduate Dean _____ Date _____	<i>Sandra Schaffer</i> 12/23/08 West Lafayette Registrar _____ Date _____

12/23/08  
*[Signature]*

RECEIVED  
DEC 31 2008  
23103  
ENGINEERING  
ADMINISTRATION

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(500-600 LEVEL)

EPD 40-06

DEPARTMENT Mechanical Engineering EFFECTIVE SESSION Fall 2008

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<b>PROPOSED:</b> Subject Abbreviation <u>ME</u> Course Number <u>554</u> Long Title <u>Intellectual Property for Engineers</u> Short Title <u>Intell Prop for Engrs</u> <small>Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)</small>	<b>EXISTING:</b> Subject Abbreviation _____ Course Number _____	<b>TERMS OFFERED</b> Check All That Apply: <input type="checkbox"/> Summer <input checked="" type="checkbox"/> Fall <input type="checkbox"/> Spring <b>CAMPUS(ES) INVOLVED</b> <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 checked="" type="checkbox"/> W. Lafayette <input type="checkbox"/> Indianapolis
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COURSE DESCRIPTION (INCLUDE REQUISITES):  
**ME 554 Intellectual Property for Engineers, Sem. 2. Class 1, cr. 1. Prerequisite: Physics 172.**  
 Survey of the law of patents, trade secrets, trademarks and copyrights with special emphasis on the process of defining inventions broadly and diversely. Obtaining, registering, licensing and litigation of intellectual property.

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Graduate Area Committee Convener _____ Date _____	Graduate Dean _____ Date _____	West Lafayette Registrar _____ Date _____



TO: Purdue University Graduate Council

From: Faculty Member: Jim Jones

From: Department: Mechanical Engineering

Campus: West Lafayette

Date: \_\_\_\_\_

For Reviewer's comments only	
Reviewer:	<b>Select One</b>
Comments:	

Subject: Proposal for New Graduate Course –Documents Supporting Registrar's Form 40

Contact information if questions arise

Name:  
Phone Number:  
E-mail:  
Campus Address:

<u>Jim Jones</u>
<u>45691</u>
<u>ionesjd@purdue.edu</u>
<u>ME 222B</u>

Course Number: ME 554

Course Title: Intellectual Properties for Engineers

**A. Justification for the Course**

Explain how this course relates to other courses offered in the department or other departments and how this course fulfills a recognized need.

This course provides a foundation for students wanting to learn patent analysis. The course surveys the basic laws regarding patents, trade secrets, and copyrights. It is an excellent course for undergraduate, graduate and even non-engineering students (provided they have the prerequisite background), especially those interested in the Entrepreneurship Certificate Program.

This course is intended primarily for students

**Choose One**  
from within this department

**B. Level of the course:**

Justify request for graduate course level by indicating anticipated enrollments of undergraduate and graduate students.

Anticipated Undergraduate Student Enrollment:

**Choose One:**  
50-75%

Anticipated Graduate Student Enrollment:

**Choose One:**  
25-50%

**C. Prerequisites:** (If none, please explain reasons for absence)

PHYS 172

**D. Course Instructor:**

Instructor's Name: John McNett

**E1. Course Outline:**

(An outline of topics to be covered and an indication of the relative emphasis or time devoted to each topic is necessary. If laboratory or field experience is involved, the nature of this component should be explained as well). - See Attached EFD.

**E2. Method of Evaluation or Assessment:**

See Attached EFD.

**F. Reading List:**

A reading list or bibliography should be limited to material the students will be required to read in order to successfully complete the course. It should not be a compilation of general reference material. See attached EFD.



**TO:** The Engineering Faculty

**FROM:** The Faculty of the School of Mechanical Engineering

**DATE:** March 29, 2007

**RE:** New Course Approval ME 554 Intellectual Property

The Faculty of the School of Mechanical Engineering has approved the following course for a permanent course number. This action is now submitted to the Engineering Faculty with a recommendation for approval.

**ME 554 Intellectual Property**, Sem. 2. Class 1, cr. 1. Prerequisite: Physics 172 or equivalent.

Survey of the law of patents, trade secrets, trademarks and copyrights with special emphasis on the process of defining inventions broadly and diversely. Basics of employment and confidentiality agreements as related to intellectual property. Obtaining, registering, licensing and litigation of intellectual property.

**Reason:** This course provides a foundation for students wanting to learn patent analysis. The course surveys the basic laws regarding patents, trade secrets, and copyrights. It is an excellent course for undergraduate, graduate and even non-engineering students (provided they have the prerequisite background), especially those interested in the Entrepreneurship Certificate Program.

The course has been offered five times with enrollments of 24 students in spring 2000, 26 students in spring 2001, 32 students in spring 2002, 28 spring 2003, and 14 spring 2004. Making this a permanent course offering will help make students more aware of this course.

Details of the course are provided in the attached course map and description.

James D. Jones  
Associate Professor and Associate Head  
School of Mechanical Engineering

APPROVED FOR THE FACULTY  
OF THE SCHOOLS OF ENGINEERING  
BY THE ENGINEERING  
CURRICULUM COMMITTEE

ECC Minutes # 4

Date 10-15-07

Chairman ECC Michael J. Johnson

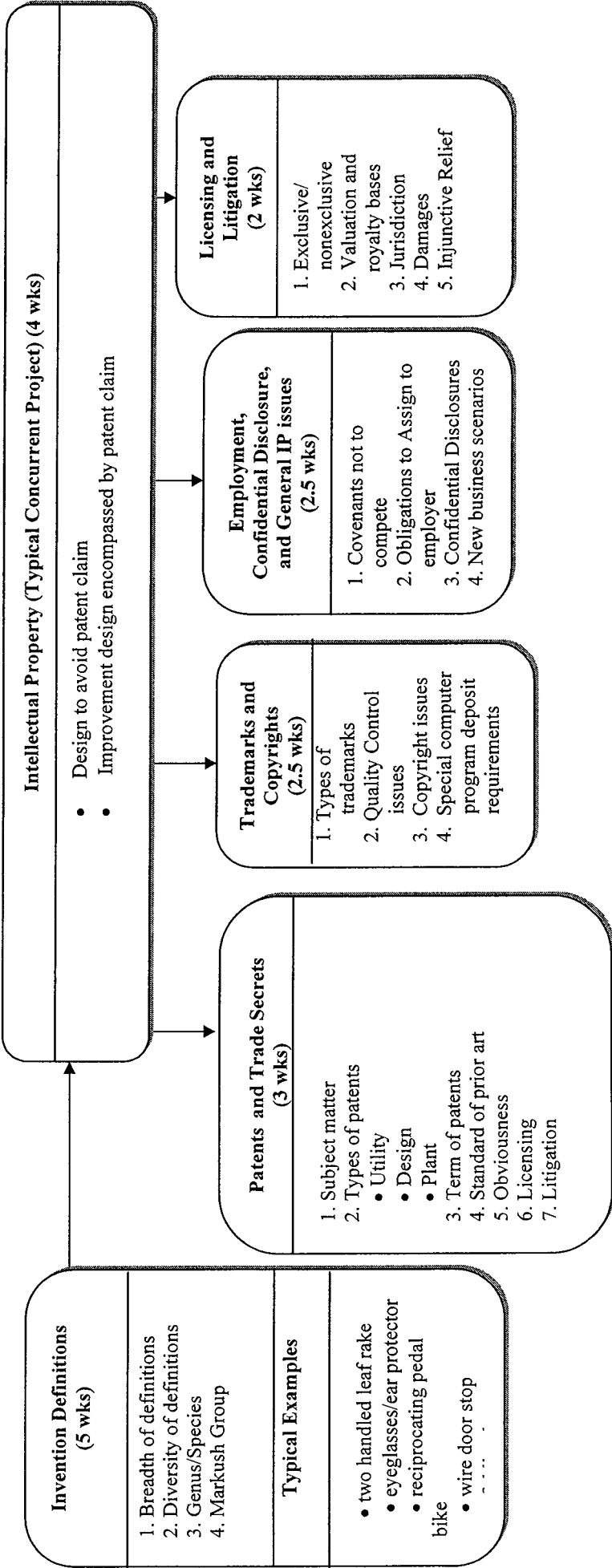




**ME 554**  
**INTELLECTUAL PROPERTY**

**Course Outcomes**

1. Understand and practice the basics of *defining inventions*.
2. Learn basics of *patents, trade secrets, trademarks, copyrights*.
3. Understand the basics of *employment and confidentiality agreements* as related to intellectual property.
4. Understand *licensing and litigation* of intellectual property.





<p><b>COURSE NUMBER:</b> ME 554</p>	<p><b>COURSE TITLE:</b> Intellectual Property</p>
<p><b>REQUIRED COURSE OR ELECTIVE COURSE:</b> Elective</p>	<p><b>TERMS OFFERED:</b> Spring</p>
<p><b>TEXTBOOK/REQUIRED MATERIAL:</b> None -- Detailed Powerpoint presentations available online and distributed in class.</p>	<p><b>PRE-REQUISITIE:</b> PHYS 172 Modern Mechanics</p>
<p><b>COORDINATING FACULTY:</b> J.C. McNett and K. Ramani</p>	
<p><b>COURSE DESCRIPTION:</b> Survey of the law of patents, trade secrets, trademarks and copyrights with special emphasis on the process of defining inventions broadly and diversely. Obtaining, registering, licensing and litigation of intellectual property.</p>	<p><b>COURSE OUTCOMES:</b></p> <ol style="list-style-type: none"> <li>1. Understand and practice the basics of <i>defining inventions</i>.</li> <li>2. Learn basics of <i>patents, trade secrets, trademarks, copyrights</i>.</li> <li>3. Understand the basics of <i>employment and confidentiality agreements</i> as related to intellectual property.</li> <li>4. Understand <i>licensing and litigation</i> of intellectual property.</li> </ol>
<p><b>ASSESSMENTS TOOLS:</b></p> <ol style="list-style-type: none"> <li>1. Two graded homework assignments.</li> <li>2. One project.</li> <li>3. One graded in-class written exercise on claim scope.</li> <li>4. One in-class exam on claim drafting.</li> <li>5. One comprehensive final exam on intellectual property.</li> </ol>	
<p><b>PROFESSIONAL COMPONENT:</b></p> <ol style="list-style-type: none"> <li>1. Engineering Topics: Engineering Science -- 0.5 credits (50%) Engineering Design -- 0.5 credits (50%)</li> </ol>	<p><b>RELATED ME PROGRAM OUTCOMES:</b> N/A</p>
<p><b>NATURE OF DESIGN CONTENT:</b> The project in this course requires the students to propose designs from the perspective of legal coverage of recently issued patents.</p>	
<p><b>COMPUTER USAGE:</b> The students are expected to use the computer to research patents available on the internet.</p>	
<p><b>COURSE STRUCTURE/SCHEDULE:</b></p> <ol style="list-style-type: none"> <li>1. Lecture -- 1 days per week at 50 minutes.</li> </ol>	
<p><b>PREPARED BY:</b> K. Ramani</p>	<p><b>REVISION DATE:</b> March 26, 2007</p>

