

Revised 05/08/2009

PROPOSAL SUMMARY AND ROUTING FORM

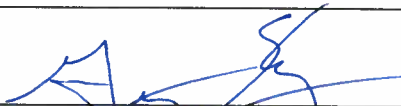

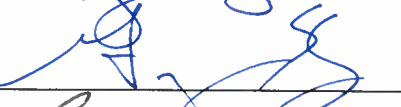
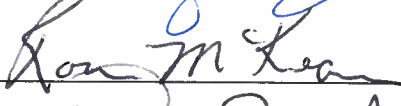
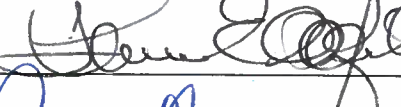

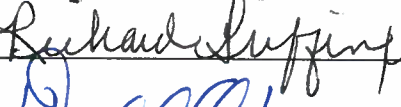

Proposal Title: Addition of SURE 331-Ethics-Prof in Engineering-Tec to Automotive Engineering Technology Curriculum

Initiating Unit or Individual: Greg Key

Contact Person's Name: Greg Key e-mail: keyg@ferris.edu phone: 231.591.2655

Date or Term of Proposal Implementation: 201101 (Spring 2011)

- Group I - A – New degree/major or major, redirection of a current offering, or elimination of a degree, major or minor
- Group I - B – New minors or concentrations
- Group II - A – Minor curriculum clean-up and course changes
- Group II - B – New Course
- Group III - Certificates
- Group IV – Off-Campus Programs

Group/Individual	Signature	Date	Vote/Action *
Program Faculty		2/10/10	<u>12</u> Support Support with Concerns <u>0</u> Not Support
Department Faculty		2/12/10	<u>17</u> Support Support with Concerns <u>0</u> Not Support
Department Head / Chair		2/15/10	<input checked="" type="checkbox"/> Support Support with Concerns Not Support
College Curriculum Committee		3/25/10	<u>12</u> Support Support with Concerns Not Support
Dean		3/26/10	Support Support with Concerns Not Support
University Curriculum Committee		4/19/10	<input checked="" type="checkbox"/> Support <u>8-0</u> Support with Concerns Not Support
Senate		4/19/10	<input checked="" type="checkbox"/> Support Support with Concerns Not Support
Academic Affairs		4/22/10	<input checked="" type="checkbox"/> Support Support with Concerns Not Support

* Support with Concerns or Not Support must include a list of specific concerns. Votes must be shown for faculty groups. Administrators check appropriate action taken.

To be completed by Academic Affairs

President (Date Approved)

Board of Trustees (Date Approved)

President's Council (Date Approved)

VPAA
APR 19 2010
PROVOST

1. Proposal Summary

(Summary is generally less than one page. Briefly: state what is proposed with a summary of rationale and highlights. Additional rationale may be attached.)

In our last review by our accrediting body, TAC-ABET, the AET program findings indicated a weakness in the TAC-ABET outcome "I" (an ability to understand professional ethical and social responsibility). By inserting SURE 331 – Ethics and Professionalism in Engineering Technology , the AET curriculum will address this weakness.

We are also changing the order of AUTO 310 Air Flow (from Fall to Spring, junior year) and AUTO 320 Dynamometer (from Spring to Fall) to allow for better use of the new Dynamometer cell. This semester switch will allow the Dynamometer class to use it in the fall and allow the Emissions class (AUTO 460) to use it in the winter without conflicts of the lab space. As a result of this semester switch, we will also be removing AUTO 310 as a pre-requisite requirement of AUTO 320.

2. Summary of All Course Action Required*

- a. Newly Created Courses to FSU:
- | Prefix | Number | Title |
|--------|--------|-------|
|--------|--------|-------|

- b. Courses to be Deleted From FSU Catalog:
- | Prefix | Number | Title |
|--------|--------|-------|
|--------|--------|-------|

- c. Existing Course(s) to be Modified:
- | Prefix | Number | Title |
|--------|--------|---|
| AUTO | 320 | Dynamometer Analysis (modified to remove AUTO 310 as a pre-requisite and to move from Spring to Fall semester.) |

AUTO	310	Engine Air Flow (modified to move from Fall to Spring semester)
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- d. Addition of existing FSU courses to program
- | Prefix | Number | Title |
|--------|--------|--------------------------------|
| SURE | 331 | Ethics-Prof in Engineering-Tec |

- e. Removal of existing FSU courses from program
- | Prefix | Number | Title |
|--------|--------|-------|
|--------|--------|-------|

3. Summary of All Consultations

Form Sent (B or C)	Date Sent	Responding Dept.	Date Received & by Whom
B	01/20/10	Surveying	
C	02/08/10	Library	
B	03/09/10	Humanities	

4. Will External Accreditation be Sought? (For new programs or certificates only)

_____ Yes _____ No

If yes, name the organization involved with accreditation for this program.

5. Program Checksheets affected by this proposal.

Automotive Engineering Technology (AET)

CURRICULUM CONSULTATION FORM

To be completed by each department affected by the proposed change, new degree, new program, new minor, or new course. Potential duplication of coursework is reason for consultation.

1. This completed form must be forwarded with the proposal to the chair/head of the department to be consulted.
2. The department must respond within 20 calendar days of receipt of this form to insure inclusion in the final proposal. The completed form is returned to the initiator and inserted into the proposal.

Failure to respond is interpreted as support for the proposal.

3. The Proposing Department must address any concerns raised by the department. This response will be in writing and be included in the proposal following the consultation form.

RE: Proposal Title Addition of SURE 331—Ethics –Prof in Engineering-Tec to Automotive Engineering Technology

Initiator(s): Greg Key

Proposal Contact: Greg Key **Date Sent:** 1-19-10

Department: Automotive **Campus Address:** AUT 101
(Please print)

Responding Department: Surveying

Chair/Head/Coordinator: Sayed Hashimi **Date Returned:** S. Hashimi

Based upon department faculty review on 1/21/11 (date), we

- Support the above proposal.
- Support the above proposal with the modifications and concerns listed below.
- Do not support the proposal for the reasons listed below.

Comment regarding the impact this proposal has on scheduling, room assignments, faculty load, and prerequisites for your department. Use additional pages, if necessary.

CURRICULUM CONSULTATION FORM

To be completed by each department affected by the proposed change, new degree, new program, new minor, or new course. Potential duplication of coursework is reason for consultation.

1. This completed form must be forwarded with the proposal to the chair/head of the department to be consulted.
2. The department must respond within 20 calendar days of receipt of this form to insure inclusion in the final proposal. The completed form is returned to the initiator and inserted into the proposal.

Failure to respond is interpreted as support for the proposal.

3. The Proposing Department must address any concerns raised by the department. This response will be in writing and be included in the proposal following the consultation form.

RE: Proposal Title Addition of SURE 331—Ethics –Prof in Engineering-Tec to Automotive Engineering Technology

Initiator(s): Greg Key

Proposal Contact: Greg Key Date Sent: 3/9/10

Department: Automotive Campus Address: AUT 101
(Please print)

Responding Department: Humanities

Chair/Head/Coordinator: Grant Snider Date Returned: _____

Based upon department faculty review on 3/17/10 (date), we

- Support the above proposal.
 Support the above proposal with the modifications and concerns listed below.
 Do not support the proposal for the reasons listed below.

Comment regarding the impact this proposal has on scheduling, room assignments, faculty load, and prerequisites for your department. Use additional pages, if necessary.

The philosophy Humanities faculty support the inclusion of an ethics course in your program; however, you should know that we are in the process of replacing the current SURE/Humn 331 with a new 300-level ethics course. This course will be more suited to your program anyway.

Grant Snider

FLITE SERVICES CONSULTATION FORM

To be completed by the liaison librarian and approved by the Dean of FLITE. All returned forms should be included in the proposal. **FLITE must respond within 20 calendar days of receipt of this form to insure that the form is included in the final proposal.**

FAILURE TO RESPOND IS CONSIDERED AS SUPPORT OF THE CHANGE.

RE: Proposal Title: Addition of SURE 331—Ethics-Prof in Engineering-Tec to Automotive Engineering Technology curriculum

Projected number of students per year affected by proposed change: _____

Initiator(s): Greg Key

Proposal Contact: Greg Key **Date Sent:** 12-1-09

Department: Automotive **Campus Address:** AUT 101
(Please print)

Liaison Librarian Signature: Frances Rosen **Date:** 2/8/10

Dean of FLITE Signature: John M. Mays **Date Returned:** 2-8-10

Based upon our review on 2/8/10 (date), FLITE concludes that:

- Library resources to support the proposed curriculum change are currently available.
- Additional Library resources are needed but can be obtained from current funds.
- Support, but significant additional Library funds/resources are required in the amount of \$_____.
- Does not support the proposal for reasons listed below.

Comment regarding the impact this proposal will have on library resources, collection development, programs, etc. Use additional pages if necessary.

CURRENT CHECKSHEET 2009/2010

FERRIS STATE UNIVERSITY



Bachelor of Science Degree Automotive Engineering Technology Course Sequence Guide

Student: _____ Transfer Credits: _____
 Email: _____ ID: _____ GPA Major: _____
 Advisor: _____ Phone: _____ GPA Degree: _____

YEAR 1 - FALL				YEAR 1 - SPRING			
	Crs	Gr			Crs	Gr	
AUTO 111	Manual Transmission & Drivelines	4	—	AUTO 114	Automotive Engines	4	—
AUTO 112	Automotive Brake Systems	4	—	AUTO 115	Suspension, Steering, Alignment Services	4	—
AUTO 113	Automotive Electricity/Electronics	4	—	AUTO 117	Electronic Fuel Management Systems (AUTO 113)	4	—
ENGL 150	English 1	3	—	MATH 116	Intermediate Algebra-Num Trig (ACT 19 or MATH 110)	4	—
FSUS 100	Freshman Seminar	1	—				
Total Semester Credits		16		Total Semester Credits		16	

YEAR 2 - FALL				YEAR 2 - SPRING			
	Crs	Gr			Crs	Gr	
AUTO 213	Chassis Electrical/Electronics (AUTO 113)	4	—	AUTO 200	Service Area (C- in all AUTO classes)	6	—
MATL 240	Intro to Material Science	4	—	PHYS 211	Introductory Physics 1 (C- in MATH 116)	4	—
ENGL 250	English 2 (ENGL 150)	3	—		Cultural Enrichment	3	—
CHEM 114	Introduction to General Chemistry	4	—		Social Awareness	3	—
Total Semester Credits		15		Total Semester Credits		16	

ENTRY CRITERIA PRIOR TO STARTING JUNIOR YEAR: 1) 2.75 GPA IN MAJOR COURSE WORK 2) 2.5 OVERALL GPA

YEAR 3 - FALL				YEAR 3 - SPRING			
	Crs	Gr			Crs	Gr	
AUTO 310	Engine Air Flow Analysis (AUTO 114, 117, MATH 116)	3	—	AUTO 320	Dynamometer Analysis (AUTO 114, 117, 310, MATH 116)	3	—
MATL 341	Material Science Metals (MATL 240)	3	—	MFGE 342	Statistical Process (MFGE 341, MATH 116)	3	—
MFGE 341	Quality Science Statistics (MATH 116 or equivalent)	3	—	COMM 221	Small Group Decision Making	3	—
ENGL 311	Advanced Technical Writing (ENGL 250)	3	—	MATH 216	Applied Calculus (C- in MATH 126 or 130)	4	—
MATH 126	Algebra & Analytical Trig. (MATH 116)	4	—		Cultural Enrichment	3	—
Total Semester Credits		16		Total Semester Credits		16	

YEAR 4 - FALL				YEAR 4 - SPRING			
	Crs	Gr			Crs	Gr	
AUTO 450	Automotive Fuels and Lubes (CHEM 114, MATH 126)	3	—	AUTO 460	Emission Systems (Senior Status, CHEM 114, MATH 126)	3	—
MFGE 442	Design of Experiments 1 (MFGE 341, MATH 116)	3	—	AUTO 480	Alternate Fuel and Vehicle System (Senior Status, CHEM 114, MATH 126)	3	—
PDET 322	Model & Prototype Development	2	—	MECH 212	Kinematics and Mechanisms (MATH 216, PHYS 211)	2	—
PDET 413	Fluids/Thermodynamics (MATH 116)	3	—	MFGE 321	Metrology (MATH 116 or MATH ACT 24 or SAT 500)	3	—
	Cultural Enrichment 200+	3	—	PDET 415	Advanced Solid Modeling CAD (PDET 322)	2	—
	Social Awareness	3	—		Social Awareness 200+	3	—
Total Semester Credits		17		Total Semester Credits		16	

YEAR 4 - SUMMER			
	Crs	Gr	
AUTO 493	Internship	4	—
Total Semester Credits		4	

Total Credits: 132

It is highly recommended that you take the ASE tests prior to graduating from your baccalaureate degree program and while the information is still fresh in your mind. Taking and passing ASE tests leads to certification and reflects achievements, grants professional credentials, and provides for greater potential earnings. Most employers require ASE certification as a condition of employment.

Bachelor of Science General Education Requirements:

One Global Consciousness Course (3cr), One Race-Ethnicity-Gender (REG) Course (3cr), and One Foundation Course (3cr)

Multiple requirements may be satisfied by a single course.

Cultural Enrichment - 9 credits (3 credits in course > 200 level); Social Awareness - 9 credits (3 credits in course > 200 level)

Students must complete 40 credits at or above the 300 level. (Reference: http://www.ferris.edu/htmls/academics/gened/gen_edspecfic.html)

MEETING ALL REQUIREMENTS FOR GRADUATION IS THE STUDENT'S RESPONSIBILITY. YOUR ADVISOR IS AVAILABLE TO ASSIST YOU.

Contact the Automotive Department for more information:

Phone: 231.591.2655 email: auto@ferris.edu

www.ferris.edu/technology

PROPOSED CHECKSHEET FALL 2010

FERRIS STATE UNIVERSITY

Bachelor of Science Degree Automotive Engineering Technology Course Sequence Guide

Student: _____ Transfer Credits: _____
 Email: _____ ID: _____ GPA Major: _____
 Advisor: _____ Phone: _____ GPA Degree: _____

YEAR 1 - FALL				YEAR 1 - SPRING			
			Crs Gr				Crs Gr
AUTO	111	Manual Transmission & Drivelines	4	AUTO	114	Automotive Engines	4
AUTO	112	Automotive Brake Systems	4	AUTO	115	Suspension, Steering, Alignment Services	4
AUTO	113	Automotive Electricity/Electronics	4	AUTO	117	Electronic Fuel Management Systems (AUTO 113)	4
ENGL	150	English 1	3	MATH	116	Intermediate Algebra-Num Trig (ACT 19 or MATH 110)	4
FSUS	100	Freshman Seminar	1				
Total Semester Credits			16	Total Semester Credits			16

YEAR 2 - FALL				YEAR 2 - SPRING			
			Crs Gr				Crs Gr
AUTO	213	Chassis Electrical/Electronics (AUTO 113)	4	AUTO	200	Service Area (C- In all AUTO classes)	6
MATL	240	Intro to Material Science	4	PHYS	211	Introductory Physics 1 (C- in MATH 116)	4
ENGL	250	English 2 (ENGL 150)	3			Cultural Enrichment	3
CHEM	114	Introduction to General Chemistry	4			Social Awareness	3
Total Semester Credits			15	Total Semester Credits			16

ENTRY CRITERIA PRIOR TO STARTING JUNIOR YEAR: 1) 2.75 GPA IN MAJOR COURSE WORK 2) 2.5 OVERALL GPA

YEAR 3 - FALL				YEAR 3 - SPRING			
			Crs Gr				Crs Gr
AUTO	320	Dynamometer Analysis (AUTO 114, 117, MATH 116)	3	AUTO	310	Engine Air Flow Analysis (AUTO 114, 117, MATH 116)	3
MATL	341	Material Science Metals (MATL 240)	3	MFGE	342	Statistical Process (MFGE 341, MATH 116)	3
MFGE	341	Quality Science Statistics (MATH 116 or equivalent)	3	COMM	221	Small Group Decision Making	3
ENGL	311	Advanced Technical Writing (ENGL 250)	3	MATH	216	Applied Calculus (C- in MATH 126 or 130)	4
MATH	126	Algebra & Analytical Trig. (MATH 116)	4	SURE	331	Ethics-Prof in Engineering-Tec (ENGL 150)	3
Total Semester Credits			16	Total Semester Credits			16

YEAR 4 - FALL				YEAR 4 - SPRING			
			Crs Gr				Crs Gr
AUTO	450	Automotive Fuels and Lubes (CHEM 114, MATH 126)	3	AUTO	460	Emission Systems (Senior Status, CHEM 114, MATH 126)	3
MFGE	442	Design of Experiments 1 (MFGE 341, MATH 116)	3	AUTO	480	Alternate Fuel and Vehicle System (Senior Status, CHEM 114, MATH 126)	3
PDET	322	Model & Prototype Development	2	MECH	212	Kinematics and Mechanisms (MATH 216, PHYS 211)	2
PDET	413	Fluids/Thermodynamics (MATH 116)	3	MFGE	321	Metrology (MATH 116 or MATH ACT 24 or SAT 500)	3
		Cultural Enrichment	3	PDET	415	Advanced Solid Modeling CAD (PDET 322)	2
		Social Awareness	3			Social Awareness 200+	3
Total Semester Credits			17	Total Semester Credits			16

YEAR 4 - SUMMER			
			Crs Gr
AUTO	493	Internship	4
Total Semester Credits			4

Total Credits: 132

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PROPOSED CHECKSHEET FALL 2010



FERRIS STATE UNIVERSITY

Bachelor of Science Degree Automotive Engineering Technology Course Sequence Guide 2010/11

Student: _____ Transfer Credits: _____
 Email: _____ ID: _____ GPA Major: _____
 Advisor: _____ Phone: _____ GPA Degree: _____

Major	Cr	Gr	Tr	Communications Competence	Crs	Gr	Tr
AUTO 111 Manual Transmission & Drivelines	4	_____	_____	ENGL 150 English 1	3	_____	_____
AUTO 112 Automotive Brake Systems	4	_____	_____	ENGL 250 English 250 (ENGL 150)	3	_____	_____
AUTO 113 Automotive Electricity/Electronics	4	_____	_____	ENGL 311 Advanced Technical Writing (ENGL 250)	3	_____	_____
AUTO 114 Automotive Engines	4	_____	_____	COMM 221 Small Group Decision Making	3	_____	_____
AUTO 115 Suspension, Steering, Alignment Services	4	_____	_____				
AUTO 117 Electronic Fuel Management Systems (AUTO 113)	4	_____	_____	Quantitative			
AUTO 200 Service Area (C- in all AUTO classes)	6	_____	_____	MATH 116 Intermediate Algebra-Num Trig (ACT 19 or MATH 110)	4	_____	_____
AUTO 213 Chassis Electrical/Electronics (AUTO 113)	4	_____	_____	MATH 126 Algebra & Analytical Trig. (MATH 116)	4	_____	_____
AUTO 310 Engine Air Flow Analysis (AUTO 114, 117, MATH 116)	3	_____	_____	MATH 216 Applied Calculus (C- in MATH 126 or 130)	4	_____	_____
AUTO 320 Dynamometer Analysis (AUTO 114, 117, MATH 116)	3	_____	_____				
AUTO 450 Automotive Fuels and Lubes (CHEM 114, MATH 126)	3	_____	_____	Scientific Understanding			
AUTO 460 Emission Systems (Senior Status, CHEM 114, MATH 126)	3	_____	_____	CHEM 114 Introduction to General Chemistry	4	_____	_____
AUTO 480 Alternate Fuel and Vehicle System (Senior Status, CHEM 114, MATH 126)	3	_____	_____	PHYS 211 Introductory Physics 1 (C- in MATH 116)	4	_____	_____
AUTO 493 Internship	4	_____	_____	Cultural Enrichment			
Technical Related	Cr	Gr	Tr				
MATL 240 Intro to Material Science (MATH 116)	4	_____	_____	Cultural Enrichment	3	_____	_____
MATL 341 Material Science Metals (MATH 116, MATL 240)	3	_____	_____	Cultural Enrichment	3	_____	_____
MECH 212 Kinematics and Mechanisms (MATH 216, PHYS 211)	2	_____	_____	SURE 331 Ethics-Prof in Engineering Tec (ENGL 150)	3	_____	_____
MFGE 321 Metrology	3	_____	_____	Social Awareness			
MFGE 341 Quality Science Statistics (MATH 116 or equivalent)	3	_____	_____	Social Awareness	3	_____	_____
MFGE 342 Statistical Process (MFGE 341, MATH 116)	3	_____	_____	Social Awareness	3	_____	_____
MFGE 442 Design of Experiments 1 (MFGE 341, MATH 116)	3	_____	_____	Social Awareness 200+	3	_____	_____
PDET 322 Model & Prototype Development	2	_____	_____	Freshmen Seminar			
PDET 413 Fluids/Thermodynamics (MATH 116)	3	_____	_____	FSUS 100 Freshman Seminar	1	_____	_____
PDET 415 Advanced Solid Modeling CAD (PDET 322)	2	_____	_____				

Total Credits: 132

Bachelor of Science General Education Requirements:

One Global Consciousness Course (3cr), One Race-Ethnicity-Gender (REG) Course (3cr), and One Foundation Course (3cr)
 Multiple requirements may be satisfied by a single course.
 Cultural Enrichment - 9 credits (3 credits in course > 200 level); Social Awareness - 9 credits (3 credits in course > 200 level)

Students must complete 40 credits at or above the 300 level. (Reference: http://www.ferris.edu/htmls/academics/gened/gen_edspecific.html)

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MODIFY COURSE
Course Data Entry Form

FORM F

Modify Course
Rev. 07/23/07

I. ACTION TO BE TAKEN: MODIFY AN EXISTING COURSE

Notes:

- 1. Complete all parts of Sections I and II; complete only those items in Section III that represent changes.
- 2. If either prefix or number is being changed, use 'Delete Course' and 'Create New Course' forms rather than this form.

a. List the changes to be made (See Proposed Changes a through p below): Remove AUTO 310 as a prerequisite of AUTO 320, move AUTO 320 from Spring term to Fall.

b. Term Effective (6 digit code only): 201101 (Spring) Examples: 200801(Spring), 200805(Summer), 200808(Fall)
Note: The first four digits indicate year, the next two digits indicate month in which term begins.

II. CURRENT: Include information that is in the current course database.

a. Course Prefix AUTO b. Number 320 c. Enter Contact Hours per week in boxes.
LECTure LAB INDEpendent Study – Check (x)
Practicum: Seminar:

d. Course Title: Dynamometer Testing

III. PROPOSED CHANGES: Complete only those boxes that represent proposed changes identified in Section I. Leave all other spaces blank.

a. Course Prefix b. Number c. Enter Contact Hours per week in boxes.
LECTure LAB INDEpendent Study – Check (x)
Practicum: Seminar:

d. Course Title: (Limit to 30 characters/spaces.)

e. College Code: f. Department Code:

Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

g. Type: Variable Fixed h. Maximum Credit Hours i. Minimum Credit Hours

j. May Be Repeated for Added Credit: Check (x) Yes No

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (x) Normal Grading Credit/No Credit only (Pass/Fail)

m. CATALOG DESCRIPTION – Limit to 75 words – PLEASE BE CONCISE.

Introduction to dynamometer testing. This course will introduce students to dynamometer testing as an evaluation tool. This will allow the students to measure actual improvement in performance of the engine as different systems are changed. Pre-Requisites: AUTO 114, AUTO 117 and MATH 116. Typically Offered Fall Only.

n. Term(s) Offered: Fall (See instructions for listing.) o. Max. Section Enrollment:

p. Prerequisites/Co-requisites/Restrictions: Limited to 100 spaces. AUTO 114, AUTO 117 and MATH 116.

UCG Chair Signature/Date:

[Signature] 4/19/10

Academic Affairs Approval Signature/Date:

[Signature] 4/22/10

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code

Basic Skill (BS) General Education (GE) Occupational Education (OC) G.E. Codes

Office of the Registrar use ONLY

Date Rec'd: ___ Date Completed: ___ Entered: SCACRSE __ SCADETL __ SCARRES __ SCAPREQ __

MODIFY COURSE
Course Data Entry Form

FORM F

Modify Course
Rev. 07/23/07

I. ACTION TO BE TAKEN: MODIFY AN EXISTING COURSE

Notes:

- 1. Complete all parts of Sections I and II; complete only those items in Section III that represent changes.
- 2. If either prefix or number is being changed, use 'Delete Course' and 'Create New Course' forms rather than this form.

a. List the changes to be made (See Proposed Changes a through p below): Move AUTO 310 from Fall to Spring semester

b. Term Effective (6 digit code only): 201101 (Spring) Examples: 200801(Spring), 200805(Summer), 200808(Fall)
Note: The first four digits indicate year, the next two digits indicate month in which term begins.

II. CURRENT: Include information that is in the current course database.

a. Course Prefix AUTO b. Number 310 c. Enter Contact Hours per week in boxes.
LECTure LAB INDEpendent Study – Check (x)
Practicum: Seminar:

d. Course Title: Engine Air Flow

III. PROPOSED CHANGES: Complete only those boxes that represent proposed changes identified in Section I. Leave all other spaces blank.

a. Course Prefix b. Number c. Enter Contact Hours per week in boxes.
LECTure LAB INDEpendent Study – Check (x)
Practicum: Seminar:

d. Course Title: (Limit to 30 characters/spaces.)

e. College Code: f. Department Code:

Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

g. Type: Variable Fixed h. Maximum Credit Hours i. Minimum Credit Hours

j. May Be Repeated for Added Credit: Check (x) Yes No

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (x) Normal Grading Credit/No Credit only (Pass/Fail)

m. **CATALOG DESCRIPTION** – Limit to 75 words – PLEASE BE CONCISE. This course is designed to introduce students to the high performance segment of the automotive industry. This course will deal with the design factors that are unique on high output engines and how to modify engines to obtain the desired outcome. Pre-Requisites: AUTO 114 and AUTO 117 and MATH 116. Typically Offered Spring Only

n. Term(s) Offered: Spring (See instructions for listing.) o. Max. Section Enrollment:

p. Prerequisites/Co-requisites/Restrictions: Limited to 100 spaces. AUTO 114, AUTO 117 and MATH 116.

UCC Chair Signature/Date: [Signature] 4/19/10

Academic Affairs Approval Signature/Date: [Signature] 4/22/10

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code
 Basic Skill (BS) General Education (GE) Occupational Education (OC) G.E. Codes

Office of the Registrar use ONLY
Date Rec'd: ___ Date Completed: ___ Entered: SCACRSE ___ SCADETL ___ SCARRES ___ SCAPREQ ___