ACADEMIC SENATE PROPOSAL TRACKING SHEET

(Document To Be Originated By Academic Senate Secretary On Canary Color Paper)

All proposals MUST have their originating college faculty body (Ex. Arts & Sciences, Education and Nursing;

Technical Sciences) approved and must be signed by the submitter and the college deep before being submitted to the

Technical Sciences) approval and must be signed by the submitter and the college dean before being submitted to the Academic Senate Secretary.

- 1. Submit all proposals (using the appropriate Academic Senate program/degree and/or course revision forms) to the Academic Senate Secretary.
- 2. The Academic Senate Secretary logs and numbers items and forwards them to the appropriate Academic Senate subcommittee(s): Teacher Education (if applicable), General Education (if applicable), or Curriculum.
- 3. The Academic Senate subcommittee(s) consider(s) the proposal. If approved, the proposal is forwarded to the next committee. If a committee disapproves the proposal, the originator may request that the item be forwarded to the next body for consideration. The committee will provide written rationale to the originator when a proposal is disapproved and the proposal is returned to the originator.
- 4. The Academic Senate considers the proposal and approves or disapproves. If approved, the proposal is forwarded to the Full Faculty for consideration. If the Academic Senate disapproves the proposal, the originator may request that the item be forwarded to the Full Faculty for consideration. The Academic Senate will provide written rationale to the originator when proposals are disapproved and the proposal is returned to the originator.
- 5. The Full Faculty considers Academic Senate approved proposals. If faculty approve, the proposal will then be forwarded to the Provost. The Provost approves or disapproves the proposal. If approved, the proposal is then forwarded to the Chancellor.
- 7. The Chancellor approves or disapproves the proposal.

Subcommittee and Academic Senate college representatives will notify their respective colleges' of the progress of submitted proposals or the proposal may be tracked via the web page --

http://www.msun.edu/admin/provost/asproposals.htm Documentation and forms for the curriculum process is also available on the web page: http://www.msun.edu/admin/provost/asforms.htm (If a proposal is disapproved at any level, it is returned through the Academic Senate secretary to the Dean of the submitting college who then notifies the originator.) Title: (proposal explanation, submitter and college dean signatures on attached program/degree or course revision form) Date Received by ACAD Senate 30209 Forwarded to Teacher Ed Council Approved Disapproved Signature Date Forwarded to Gen Ed Committee Approved Disapproved Signature Date Returned to ACAD Senate Forwarded to Curriculum Committee pproved Disapproved Signature Date Returned to ACAD Senate for Vote Approved Disapproved Signature Sent to Provost's office for Full Faculty vote Voted on at Full Faculty meeting Approved Disapproved Signature Date Forwarded to Provost for Approval/Disapproval Approved Disapproved Signature Date Forwarded to Chancellor for Approval/Disapproval Approved Disapproved Signature Date

Copies sent to originating college and registrar's office
Updated 09/29/05

Auto Changes Spog

COURSE REVISION FORM

NEW DROPPED	MAJOR REVISION \underline{X} FOR INFORMATI	ION ONLY
College Technical Sciences		Date <u>2-25-09</u>
Submitter <u>Steven Don</u> Signature	Chair/Dean Signature (indicates "college" level approva	Date 3.9.09

Please provide a brief explanation & rationale for the proposed revision(s):
All students in the B.S. Diesel Technology degree, B.S. Diesel Technology – Field
Maintenance Option, B.S. Automotive Technology and Automotive Technology minor will be
required to take ATDI 400 Shop Procedures. ATDI 400 will be increased to 3 credits. AUTO
355 is being dropped from the Automotive Technology B.S. degree and Automotive
Technology minor. The increase from 2 credits to three credits is needed to allow for time to
fully cover the course material. Both courses (ATDI 400 and AUTO 355) are currently taught
by the same instructor, course content is the same in both, therefore only one course is
needed.

Please provide the following information:

College:

College of Technical Sciences

Program Area:

Automotive

Date:

2-25-09

Course Prefix & No.:

ATDI 400

Course Title:

Shop Procedures

Credits:

3

Required by:

B.S. Diesel Technology

B.S. Diesel Technology – Field Maintenance Option

B.S. Automotive Technology Automotive Technology Minor

Selective in:

Elective in:

General Education:

Lecture:

3 credits

Lecture/Lab:

Gradable Lab:
Contact hours lecture:

3 hours

Contact hours lab:

Current Catalog Description (include all prerequisites):

2 semester credits (lab 4: Fall)

The student will deal with training procedures, including establishing preventative maintenance programs, cost per hour operations and investment analysis. Selected computer programs will also be used. This is a course that deals with: 1. The organization of a shop 2. Service procedure 3. Shop layout and organization for diesel, automotive, and auto body shops to give the best advantage to management, employees and customers.

Proposed or New Catalog Description (include all prerequisites):

Thus in A 13 semester credits (lecture 3: Fall)

Lecture course addressing diesel and automotive shop management issues. Students will be exposed to shop management environments and issues including customer relations, parts

inventory, repair order preparation, shop efficiency and productivity, shop organization, work flow, labor guides, work ethics and stewardship. Computerized shop management software will be integrated throughout the course. Prerequisites: Junior standing, ATDI 134, ATDI 264, AUTO 151, AUTO 251, DIES 262, DIES 272, DIES 273

Course Outcome Objectives:

- 1. Students will learn appropriate industry related management skills.
- 2. Students will learn appropriate customer relations techniques.
- 3. Students will learn the fundamentals of planning a promotional advertising and marketing campaign.
- 4. Students will continue development of ethical and appropriate work habits
- 5. Students will learn appropriate use of shop management software and other industry-related computer software.
- 6. Students will learn to calculate shop efficiency and shop productivity.7. This course will assist students in preparing for the national ASE C1 (Automotive Service Consultant) test.

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

ACAD course revision form 10-10-2001 rev. 12-12-01

COURSE DEVISION FORM

	COURSE REVISION FORM
NEW DROPPED <u>X</u>	MAJOR REVISION FOR INFORMATION ONLY
College <u>Technical Sciences</u>	Program Area _Automotive Technology Date _2-25-09
Submitter Steven Don Signature	Chair/Dean Signature (indicates "college" level approvat) Date 3-9.09
Beginning fall 2009 semester instructor, and have the same will be dropped and all stude technology minor will be required increased to 3 credits. The cowill be eliminated, the saving	ation & rationale for the proposed revision(s): t, both AUTO 355 and ADTI 400 are being taught by the same content, therefore one of the classes is unnecessary. AUTO 355 into the B.S. Automotive Technology degree and the automotive uired to take ATDI 400 Shop Procedures, ATDI 400 will be urse content in both classes is essentially the same, thus redundancy to of two credit hours for a faculty member. ATDI 400 is also echnology and B.S. Diesel Technology – Field Maintenance Option.
Please provide the following	information:
College:	College of technical Sciences
Program Area: Date:	Automotive 2-20-09
Course Prefix & No.:	AUTO 355
Course Title: Credits:	Automotive Service Operations 3
Required by:	B.S. Automotive Technology Automotive Technology Minor B.S. Diesel Technology B.S. Diesel Technology – Field Maintenance Option
Selective in: Elective in: General Education:	and the second of the second o
Lecture: Lecture/Lab: Gradable Lab: Contact hours lecture: Contact hours lab:	
Current Catalog Description	n (include all prerequisites):
Proposed or New Catalog D	escription (include all prerequisites):
Course Outcome Objectives	:

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

ACAD course revision form 10-10-2001 rev. 12-12-01

NEW DROPPED_	MAJOR REVISION_X_ FOR INFORMATION ONLY
College Technical Sciences	Program Area DIESEL Tech. B.S. Field Maint. Option Date 2-25-09
Submitter: Steven Don	Dean Sugar Date 3.9.09
Signature	Signature (indicates "college" level approvai)

Please provide a brief explanation & rationale for the proposed revision(s).

Starting fall 2008, ATDI 400 Shop Procedures and AUTO 355 Automotive Service Operations have the same content, therefore are redundant classes, so both classes are being combined. All Diesel Technology B.S. students are required to take ATDI 400. ATDI 400 will be increased to 3 credits (currently 2), this will allow adequate time to cover the course material.

Please provide in the space below a "before and after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. Please indicate changes by shading the appropriate cells.

PROPOSAL TITLE_ATDI 400 Shop Procedures

Current Program listed in 08-09 Catalog

Proposed Pr	ogram
for 09-2010	Catalog

Course		50 mm	
Prefix	#	Course Title	Credits
ATDI	134	Auto/Diesel Electrical/Electronic Sys. I	4
ATDI	264	Auto/Diesel Electrical/Electronic Sys. II	4
ATDI	265	Heating & Air Conditioning	4
ATDI	384	Auto/Dies Electrical/Electronic Sys. III	4
ATDI	400	Shop Procedures	2
DIES	104	Intro to Diesel Engines	3
DIES	114	Intro to Diesel Engines lab	3
DIES	115	Intro to Diesel Fuel Systems	4
DIES	204	Intro to Hydraulics & Pneumatics	2
DIES	214	Intro to Hydraulies & Pneumatics lab	2
DIES	216	Heavy Duty power Trains	4
DIES	262	Diesel Engine Diagnosis & Repair	2
DIES	272	Diagnosis of Diesel Engine & Repair Lab	4
DIES	314	Hydraulies & Pneumatics II	4
DIES	440	Advanced Fuel Systems	4
DIES	434	Current Model year Technology	3
DIES	450	Diagnosis of power Shifts & Heavy Duty Automatics	4
ENGL	112	English Composition (CAT I)	3
ENGL	366	Technical Writing & Editing (CAT I)	3
IT	111	Industrial Safety & Waste Management	2
MATH	110	Math for Liberal Arts (CAT II)	3
METL	140	Intro to Welding & Cutting	3
METL.	150	Shielded Metal Arc Welding	3
METL	154	Gas Arc Welding Processing	3
METL	155	Machining Processes	3
METL	260	Repair & Maintenance Welding	3
METL	285	Weld Certification 1	3
METL	356	Weld Certification II	3
METL	357	Weld Certification III	3
TSCI	304	Fuels & Lubricants (CAT III)	3
		Advisor Approved Elective	1
		CAT III - Natural Sciences	3
		CAT IV - Social Sciences/History	6
		CAT V Cultural Diversity	3
		CAT VI - Humanities/Fine Arts	6
		CAT VII - Technology	3
		Total	119

0		101 05 2010 Suture		
Course	ш	O. S.	Gen-Ed	Degree
Prefix	#	Course Title	Credits	Credits
ATDI	134	Auto/Diesel Electrical/Electronic Sys. I		4
ATDI	264	Auto/Diesel Electrical/Electronic Sys. II		4
ATDI	265	Heating & Air Conditioning		4
ATDI	384	Auto/Dies Electrical/Electronic Sys. III		4
ATDI	400	Shop Procedures		3
DIES	104	Intro to Diesel Engines		3
DIES	114	Intro to Diesel Engines lab		3
DIES	115	Intro to Diesel Fuel Systems		4
DIES	204	Intro to Hydraulics & Pneumatics		2
DIES	214	Intro to Hydraulics & Pneumatics lab		2
DIES	216	Heavy Duty power Trains		4
DIES	262	Diesel Engine Diagnosis & Repair		2
DIES	272	Diagnosis of Diesel Engine & Repair Lab		4
DIES	314	Hydraulics & Pneumatics II		4
DIES	440	Advanced Fuel Systems		4
DIES	434	Current Model year Technology		3
DIES	450	Diagnosis of power Shifts & Heavy Duty Automatics		4
ENGL	112	English Composition(CAT I)	-	
ENGL	366		3	
IT	111	Technical Writing & Editing (CAT I)	3	_
		Industrial Safety & Waste Management		2
MATH	110	Math for Liberal Arts (CAT II)	3	
METL	140	Intro to Welding & Cutting		3
METL	150	Shielded Metal Arc Welding		3
METL	154	Gas Arc Welding Processing		3
METL	155	Machining Processes		3
METL	260	Repair & Maintenance Welding		3
METL	285	Weld Certification I		3
METL	356	Weld Certification II		3
METL	357	Weld Certification III		3
TSCI	304	Fuels & Lubricants (CAT III)	3	
		Advisor Approved Elective		
		CAT III - Natural Sciences	3	
		CAT IV - Social Sciences/History	6	
		CAT V - Cultural Diversity	3	
		CAT VI – Humanities/Fine Arts	6	
		CAT VII - Technology	3	
	_	Total (120 total)	33	87

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

NEW DROPPED	_MAJOR REVISION <u>X</u> FOR INFORMATION	NONLY
College Technical Sciences	Program Area Automotive Technology B.S.	Date <u>2-25-09</u>
Submitter Steven Don	Dean Degry D. Vegel	_Date_ <u>3.9.09</u>
Signature	Signature (indicates "college" level approval)	

Please provide a brief explanation & rationale for the proposed revision(s).

Starting fall 2008, ATDI 400 Shop Procedures and AUTO 355 Automotive Service Operations have the same content, therefore are redundant classes. AUTO 355 will be dropped and all B.S. Automotive Technology students will be required to take ATDI 400. ATDI 400 will be increased to 3 credits (currently 2), and electives/minor will be increased to 14 credits to bring the total credits to 120 credits.

Please provide in the space below a "before and after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. Please indicate changes by shading the appropriate cells.

PROPOSAL TITLE: ATDI 400 Shop Procedures

Current Program listed in 08-09 Catalog

Proposed Pr	ogram
for 09-2010	Catalog

Course Prefix	#	Course Title	Credits
ATDI	134	Auto/Diesel Electrical/Electronic Sys. I	4
ATDI	220	Automotive Diesel/ & Hybrid Vehicles	3
ATDI	257	Automatics	4
ATDI	264	Auto/Diesel Electrical/Electronic Sys. II	4
ATDI	265	Heating & Air Conditioning	4
ATDI	383	Alternative Automotive Power Systems	4
ATDI	384	Auto/Dies Electrical/Electronic Sys. III	4
ATDI	400	Shop procedures	2
AUTO	115	Intro to Automotive service	1
AUTO	117	Automotive Manual Power trains	4
AUTO	119	Automotive Braking Systems	4
AUTO	120	Automotive Steering & Suspension	4
AUTO	128	Engines	- 5
AUTO	151	Diagnosis & Tune Up	4
AUTO	210	ASE Certification I	1
AUTO	211	ASE Certification II	1
AUTO	251	Computerized Engine Control Systems	4
AUTO	355	Automotive Service Operations	3
AUTO	408	Current Trends in Mobility Technology	2
AUTO	450	Dynamometer Testing/Computer System Data Analysis	3
AUTO	457	Advanced Power Trains	4
AUTO	479	Cooperative Education	3
AUTO	488	Automotive Practicum	3
		Electives or Minor	12
		General Education Core Credits	33
			J 50
		Total	120

Course		for 09-2010 Catalo	Gen-Ed	Degree
Prefix	#	Course Title	Credits	Credits
ATDI	134	Auto/Diesel Electrical/Electronic Sys. I	-	4
ATDI	220	Automotive Diesel/ & Hybrid Vehicles		3
ATDI	257	Automatics		4
ATDI	264	Auto/Diesel Electrical/Electronic Sys. II		4
ATDI	265	Heating & Air Conditioning		4
ATDI	383	Alternative Automotive Power Systems		4
ATDI	384	Auto/Dies Electrical/Electronic Sys. III		4
ATDI	400	Shop Procedures	- 1- C-16	3
AUTO	115	Intro to Automotive service		1
AUTO	117	Automotive Manual Power trains		4
AUTO	119	Automotive Braking Systems		4
AUTO	120	Automotive Steering & Suspension		4
AUTO	128	Engines		5
AUTO	151	Diagnosis & Tune Up		4
AUTO	210	ASE Certification I		1
AUTO	211	ASE Certification II		1
AUTO	251	Computerized Engine Control Systems		4
AUTO	408	Current Trends in Mobility Technology		2
AUTO	450	Dynamometer Testing/Computer System		3
AUTO	457	Data Analysis Advanced Power Trains		
AUTO	479			4
AUTO	488	Cooperative Education Automotive Practicum		3
AUTO	400	Automotive Practicum		3
	114.	Electives of the control of the cont		14
		CAT 1 - Communications	6	
		CAT II - Mathematics	3	
		CAT III - Natural Sciences	6	
		CAT IV - Social Sciences/History	6	
		CAT V - Cultural Diversity	3	
		CAT VI - Humanities/Fine Arts	6	
		CAT VII - Technology	3	
	_	Total (120 total)	33	87

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

NEW DROPPED	_MAJOR REVISION <u>X</u> FOR INFORMATION	ONLY
College Technical Sciences	Program Area <u>Automotive Technology Minor</u>	Date_ <u>2-25-09</u>
Submitter Steven Don	Dean Dean	Date 3 . 9 . 09
Signature	Signature (indicates "college" level approval)	

Please provide a brief explanation & rationale for the proposed revision(s).

The ATDI 400 Shop Procedures course credit is being raised from 2 credits to 3 credits. This adjustment falls into line with the changes made for the B.S. Automotive Technology

Please provide in the space below a "before and after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. Please indicate changes by shading the appropriate cells.

PROPOSAL TITLE ATDI 400 Shop Procedures

Current Program listed in 08-09 Catalog

Course Prefix	#	Course Title	Credits
ATDI	134	Auto/Diesel Electrical/Electronic Sys. I	4
ATDI	264	Auto/Diesel Electrical/Electronic Sys. II	4
ATDI	383	Alternative Automotive Power Systems	4
ATDI	384	Auto/Dies Electrical/Electronic Sys. III	4
ATDI	400	Shop procedures	2
AUTO	115	Intro to Automotive service	1
AUTO	117	Automotive Manual Power trains	4
AUTO	151	Diagnosis & Tune Up	4
		Total	27

Proposed Program for 09-2010 Catalog

Course Prefix	#	Course Title	Gen-Ed Credits	Degree Credits
ATDI	134	Auto/Diesel Electrical/Electronic Sys. I		4
ATDI	264	Auto/Diesel Electrical/Electronic Sys. II		4
ATD1	383	Alternative Automotive Power Systems		4
ATDI	384	Auto/Dies Electrical/Electronic Sys. III		4
ATDI	400	Shop Procedures	1007-1590	3
AUTO	115	Intro to Automotive service		1
AUTO	117	Automotive Manual Power trains		4
AUTO	151	Diagnosis & Tune Up		4
	1	TOTAL		28

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

NEW DROPPED	_MAJOR REVISION <u>X</u> FOR INFORMATION	ONLY
College Technical Sciences	Program Area <u>DIESEL Technology B.S.</u>	Date <u>2-25-09</u>
Submitter Steven Don	Dean Lynn D. Lyn	Date 3.9.09
Signature	Signature (indicates "college" level approval)	,

Please provide a brief explanation & rationale for the proposed revision(s).

Starting fall 2008, ATDI 400 Shop Procedures and AUTO 355 Automotive Service Operations have the same content, therefore are redundant classes. All Diesel technology B.S. students are required to take ATDI 400. ATDI 400 will be increased to 3 credits (currently 2); ,this will allow adequate time to cover the course material.

Please provide in the space below a "before and after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. Please indicate changes by shading the appropriate cells.

PROPOSAL TITLE: ATDI 400 Shop Procedures

Current Program listed in 08-09 Catalog

Proposed Pr	ogram
for 09-2010	Catalog

		Total	119
		CALL VIII - recillionogy	3
		CAT VII - Technology	3
		CAT V - Cultural Diversity CAT V1 - Humanities/Fine Arts	6
_	-	CAT IV – Social Sciences/History CAT V – Cultural Diversity	6
	-	CAT III - Natural Sciences	3
TSCI	304	Fuels & Lubricants (CAT III)	3
METL	260	Repair & Maintenance Welding	3
METL	155	Machining Processes	3
METL	140	Intro to Welding & Cutting	3
MATH	110	Math for Liberal Arts (CAT II)	3
ENGL.	366	Technical Writing & Editing (CAT I)	3
ENGL	112	English Composition (CAT I)	3
DIES	479	Cooperative Education	6
DIES	450	Diagnosis of power Shifts & Heavy Duty Automatics	4
DIES	434	Current Model year Technology	3
DIES	440	Advanced Fuel Systems	4
21, 11110 21	420	Diesel Shop management	2
DIES		Hydraulics & Pneumatics II	4
DIES	273	Diesel Shop practices	4
escentry.	-	Lab	157
DIES	272	Diagnosis of Diesel Engine & Repair	4
DIES	262	Diesel Engine Diagnosis & Repair	2
DIES	219	Heavy Duty Chassis	4
DIES	216	Heavy Duty power Trains	4
DIES	214	Intro to Hydraulies & Pneumatics lab	2
DIES	204	Intro to Hydraulies & Pneumatics	2
DIES	115	Intro to Diesel Fuel Systems	4
DIES	114	Intro to Diesel Engines	3
DIES	104	Intro to Diesel Engines	3
ATDI	400	Shop Procedures	2
ATDI	384	Heating & Air Conditioning Auto/Dies Electrical/Electronic Sys. fil	4
ATDI	264	Auto/Diesel Electrical/Electronic Sys. 11	4
ATDI	257	Automatics	4
ATDI	134	Auto/Diesel Electrical/Electronic Sys. I	4
Prefix	#	Course Title	Credit
12			

Course			Gen-Ed	Degree
Prefix	#	Course Title	Credits	Credits
ATDI	134	Auto/Diesel Electrical/Electronic Sys. I		4
ATDI	257	Automatics		4
ATDI	264	Auto/Diesel Electrical/Electronic Sys. 11		4
ATDI	265	Heating & Air Conditioning		4
ATD1	384	Auto/Dies Electrical/Electronic Sys. III		4
ATDI	400	Shop Procedures		3
DIES	104	Intro to Diesel Engines		3
DIES	114	Intro to Diesel Engines lab		3
DIES	115	Intro to Diesel Fuel Systems		4
DIES	204	Intro to Hydraulies & Pneumatics		2
DIES	214	Intro to Hydraulies & Pneumaties lab		2
DIES	216	Heavy Duty power Trains		4
DIES	219	Heavy Duty Chassis		4
DIES	262	Diesel Engine Diagnosis & Repair		2
DIES	272	Diagnosis of Diesel Engine & Repair Lab		4
DIES	273	Diesel Shop practices		4
DIES	314	Hydraulics & Pneumatics II		4
DIES	420	Diesel Shop management		2
DIES	440	Advanced Fuel Systems		4
DIES	434	Current Model year Technology		. 3
DTES	450	Diagnosis of power Shifts & Heavy Duty Automatics		4
DIES	479	Cooperative Education		6
ENGL	112	English Composition(CAT I)	3	
ENGL	366	Technical Writing & Editing (CAT I)	3	
MATH	110	Math for Liberal Arts (CAT II)	3	
METL	140	Intro to Welding & Cutting		3
METL	155	Machining Processes		3
METL	260	Repair & Maintenance Welding		3
TSCI	304	Fuels & Lubricants (CAT III)	3	
		CAT III - Natural Sciences	3	
		CAT IV - Social Sciences/History	6	_
		CAT V - Cultural Diversity	3	
		CAT VI - Humanities/Fine Arts	6	
		CATVII - Technology	3	
		Total (120 total)	33	87

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

Lourdes N. Munoz-Fox

Larry Strizich From:

Tuesday, March 03, 2009 9:45 AM Lourdes N. Munoz-Fox Sent:

To: Curriculum CHanges Subject:

Lourdes - we now have enough votes on the Auto/Diesel curriculum change to pass it from the college. Could you please get it to C/C for their meeting on Thursday so we can get it through the senate ASAP.

Larry Strizich, PE Professor of Computer and Electronics Engineering Technology Chair of the College of Technical Sciences Brockmann Center 210H (406)265-3724, Strizich@msun.edu techsci.msun.edu/strizich