

MASTER SYLLABUS

Course Discipline Code & No: CMG 180 Title: Application of Construction Materials Effective Term F 08
 Division Code: VCT Department Code: CIND Org #: 14725
 Don't publish: College Catalog Time Schedule Web Page

Reason for Submission. Check all that apply.
 New course approval Reactivation of inactive course
 Three-year syllabus review/Assessment report Inactivation (Submit this page only.)
 Course change

Change information: Note all changes that are being made. Form applies only to changes noted.

Consultation with all departments affected by this course is required. Total Contact Hours (total contact hours were: _____)
 Course discipline code & number (was _____)* Distribution of contact hours (contact hours were:
 *Must submit inactivation form for previous course. lecture: _____ lab _____ clinical _____ other _____)
 Course title (was _____) Pre-requisite, co-requisite, or enrollment restrictions
 Course description Change in Grading Method
 Course objectives (minor changes) Outcomes/Assessment
 Credit hours (credits were: _____) Objectives/Evaluation
 Other _____

Rationale for course or course change. Attach course assessment report for existing courses that are being changed.
 This course would replace ARC 117 in the Construction Management (CMG) curriculum. The CMG program is currently applying for accreditation and in order to ensure that any and all changes meet the accreditation team's standards, the CMG department must be able to adapt. Additionally, unlike ARC 117, CMG 180 will have a lab component that will give the CMG students a greater understanding of what to expect when he or she enters the work force.

Approvals Department and divisional signatures indicate that all departments affected by the course have been consulted.

Department Review by Chairperson New resources needed All relevant departments consulted

Print: Cristy Lindemann Faculty/Preparer Signature [Signature] Date: 09/12/07
 Print: Cristy Lindemann Department Chair Signature [Signature] Date: 09/12/07

Division Review by Dean
 Request for conditional approval
 Recommendation Yes No [Signature] Date: 9/12/07
 Dean's Administrator's Signature

Curriculum Committee Review
 Recommendation Tabled Yes No _____ Date _____
 Curriculum Committee Chair's Signature

Vice President for Instruction Approval
[Signature] Date: 10/2/07
 Vice President's Signature

Approval Yes No Conditional

Do not write in shaded area.
 Entered in: Banner 10/4 C&A Database 10/4 Log File 9/12/07 Basic skills spreadsheet updated Contact fee
 Please return completed form to the Office of Curriculum & Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

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***Complete ALL sections which apply to the course, even if changes are not being made.**

Course: CMG 180	Course title: <u>Application of Construction Materials</u>
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Credit hours: <u>3</u> If variable credit, give range: _____ to _____ credits	Contact hours per semester: <table style="width:100%"> <tr> <td></td> <td style="text-align:center"><u>Student</u></td> <td style="text-align:center"><u>Instructor</u></td> </tr> <tr> <td>Lecture:</td> <td style="text-align:center"><u>30</u></td> <td style="text-align:center"><u>30</u></td> </tr> <tr> <td>Lab:</td> <td style="text-align:center"><u>15</u></td> <td style="text-align:center"><u>15</u></td> </tr> <tr> <td>Clinical:</td> <td style="text-align:center">_____</td> <td style="text-align:center">_____</td> </tr> <tr> <td>Practicum:</td> <td style="text-align:center">_____</td> <td style="text-align:center">_____</td> </tr> <tr> <td>Other:</td> <td style="text-align:center">_____</td> <td style="text-align:center">_____</td> </tr> <tr> <td>Totals:</td> <td style="text-align:center"><u>45</u></td> <td style="text-align:center"><u>45</u></td> </tr> </table>		<u>Student</u>	<u>Instructor</u>	Lecture:	<u>30</u>	<u>30</u>	Lab:	<u>15</u>	<u>15</u>	Clinical:	_____	_____	Practicum:	_____	_____	Other:	_____	_____	Totals:	<u>45</u>	<u>45</u>	Are lectures, labs, or clinicals offered as separate sections? <input type="checkbox"/> Yes - lectures, labs, or clinicals are offered in separate sections <input checked="" type="checkbox"/> No - lectures, labs, or clinicals are offered in the same section	Grading options: <input type="checkbox"/> P/NP (limited to clinical & practica) <input type="checkbox"/> S/U (for courses numbered below 100) <input checked="" type="checkbox"/> Letter grades
	<u>Student</u>	<u>Instructor</u>																						
Lecture:	<u>30</u>	<u>30</u>																						
Lab:	<u>15</u>	<u>15</u>																						
Clinical:	_____	_____																						
Practicum:	_____	_____																						
Other:	_____	_____																						
Totals:	<u>45</u>	<u>45</u>																						

Prerequisites. Select one:

College-level Reading & Writing

Reduced Reading/Writing Scores

No Basic Skills Prerequisite

(Add information at Level I prerequisite)

(College-level Reading and Writing is not required.)

In addition to Basic Skills in Reading/Writing:

Level I (enforced in Banner)

Course	Grade	Test	Min. Score	Concurrent Enrollment <small>(Can be taken together)</small>	Corequisites <small>(Must be enrolled in this class also during the same semester)</small>
<input type="checkbox"/> and <input type="checkbox"/> or <u>CMG 150</u>	<u>C</u>	_____	_____	<input type="checkbox"/>	_____
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____	<input type="checkbox"/>	_____
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____	<input type="checkbox"/>	_____
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____	<input type="checkbox"/>	_____

Level II (enforced by instructor on first day of class)

Course	Grade	Test	Min. Score
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____

Enrollment restrictions (In addition to prerequisites, if applicable.)

and or Consent required

and or Admission to program required

and or Other (please specify):

Program: _____

Please send syllabus for transfer evaluation to:

Conditionally approved courses are not sent for evaluation.
 Insert course number and title you wish the course to transfer as.

E.M.U. as CNST 202 Construction Materials

_____ as _____

U of M as _____

_____ as _____

Ferris as _____

_____ as _____

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<p>Course CMG 1 80</p>	<p>Course title <u>Application of Construction Materials</u></p>	
<p>Course description State the purpose and content of the course. Please limit to <u>500</u> characters.</p>	<p>The purpose of this course is to give the students an overview of the basic properties and use of construction materials. Students will be required to attend lecture and lab to analyze basic materials that include: soils, concrete, masonry, steel, wood, plastic, finishes and thermal.</p>	
<p>Course outcomes List skills and knowledge students will have after taking the course.</p> <p>Assessment method Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.</p>	<p>Outcomes (applicable in all sections)</p> <ol style="list-style-type: none"> 1) Students must analyze and differentiate the properties of construction materials. 2) Explain how each material works in conjunction with the other construction materials 	<p>Assessment Methods for determining course effectiveness</p> <hr/> <p>Comprehensive written and lab departmental exam.</p> <hr/> <p>Comprehensive written and lab departmental exam.</p>
<p>Course Objectives Indicate the objectives that support the course outcomes given above.</p> <p>Course Evaluations Indicate how instructors will determine the degree to which each objective is met for each student.</p>	<p>Objectives (applicable in all sections)</p> <ol style="list-style-type: none"> 1) Differentiate between soil type. Comprehend pros and cons of building in each soil type. 2) Differentiate characteristics of Masonry and concrete. Comprehend when and how to apply masonry and when and how to pour concrete. 3) Comprehend how steel is made and why it is used as support and framing. 4) Recognize different woods used for building. Elaborate how each wood is used for support and framing. 5) Subdivide materials into construction and finish material. Explain how some materials are used for both building and finishing and why some are used for only one aspect of construction. 6) Categorize different thermal insulations used in construction. Examine why each type is used and in what sector of construction. 	<p>Evaluation Methods for determining level of student performance of objectives</p> <hr/> <p>Testing- fill in the blank, short answer, Lab tests.</p> <hr/> <p>Testing- fill in the blank, short answer, Lab tests</p> <hr/> <p>Testing- fill in the blank, short answer, Lab tests</p> <hr/> <p>Testing- fill in the blank, short answer, Lab tests</p> <hr/> <p>Testing- fill in the blank, short answer, Lab tests</p> <hr/> <p>Testing- fill in the blank, short answer, Lab tests</p>

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Student Materials:

<p>List examples of types Texts Supplemental reading Supplies Uniforms Equipment Tools Software</p>	<p>Text : Basic Construction Materials 7th edition by Theodore W. Marotta Tools TBD</p>	<p>Estimated costs \$ 150</p>
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Equipment/Facilities: Check all that apply. (All classrooms have overhead projectors and permanent screens.)

Check level only if the specified equipment is needed for all sections of a course.

<input type="checkbox"/> Level I classroom Permanent screen & overhead projector	<input checked="" type="checkbox"/> Off-Campus Sites
<input type="checkbox"/> Level II classroom Level I equipment plus TV/VCR	<input type="checkbox"/> Testing Center
<input checked="" type="checkbox"/> Level III classroom Level II equipment plus data projector, computer, faculty workstation	<input type="checkbox"/> Computer workstations/lab
	<input type="checkbox"/> ITV
	<input type="checkbox"/> TV/VCR
	<input type="checkbox"/> Data projector/computer
	<input type="checkbox"/> Other _____

Assessment plan:

Learning outcomes to be assessed (list from Page 3)	Assessment tool	When assessment will take place	Course section(s)/other population	Number students to be assessed
1) 1) Students must analyze and differentiate the properties of construction materials.	Comprehensive written and lab departmental exam.	Fall 2010 and every three years thereafter.	All	All
2) Explain how each material works in conjunction with the other construction materials	Comprehensive written and lab departmental exam.	Fall 2010 and every three years thereafter.	All	All

Scoring and analysis of assessment:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric.
Departmentally developed rubric and written exam answer sheet.
2. Indicate the standard of success to be used for this assessment.
80% of the students will earn an average of 80% or higher on the departmental and lab exam.
3. Indicate who will score and analyze the data.
Department chair and instructors will blind-score the data.
4. Explain the process for using assessment data to improve the course.

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Based upon the assessment scoring results, information will be used to determine if students are able to complete the outlined tasks with a score of 80% or higher on departmental exam. If more than 20% of the students fall under this score, faculty will make adjustments to the learning and application components to necessitate improvement.