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SR-07-08-(33) 64 CC

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CURRICULUM COMMITTEE RECOMMENDATION

SR-07-08-(33) 64 CC

Recommends approval of the listed **COURSE CHANGES** in the following colleges and/or schools:

- **COLLEGE OF INFORMATION TECHNOLOGY & ENGINEERING**

NOTE: Over the past three years, WVU-Tech has been offering their BSCE degree on MU's campus. This collaborative agreement is about to expire in 2008-09, after which CITE will be phasing in its own BSE degree. To avoid confusion the CVLE designator is being changed to CE.

CVLE 212 Structural Analysis

Change in alpha designator: **FROM: CVLE TO: CE**

Change in course number: **FROM: 212 TO: 312**

Change in credit hours: **FROM: 4 TO: 3**

Rationale: The course is required in the junior year, and the 300-level designation is more appropriate to the rigor of the course than a 200-level designation. Also, the course currently has a required computational lab; the computational lab is being deleted justifying the --credit reduction.

CVLE 321 Engineering Materials

Change in title to: Civil Engineering Materials

Change in alpha designator: **FROM: CVLE TO: CE**

Rationale: The new title distinguishes the course from ENGR 215 Engineering Materials which covers more general properties of materials, not just those used in construction.

CVLE 342 Transportation Engineering

Change in alpha designator: **FROM: CVLE TO: CE**

Change in catalog description: **FROM:** Introduction to transportation systems: highway, rail, water, and air transportation; organization and administration; vehicle and human characteristics; rectilinear and curvilinear vehicle motion; location, design and planning of transportation systems. **TO:** Introduction to transportation systems: highway, air, rail, water; emphasis on highways; vehicle characteristics and human factors; analysis, evaluation, and design of highway systems; current policies and practices.

CVLE 413 Reinforced Concrete Design

Change in alpha designator: **FROM: CVLE TO: CE**

Rationale: See the note above.

CVLE 431 Hydraulic Engineering

Change in alpha designator: **FROM: CVLE TO: CE**

Change in course number: **FROM: 431 TO: 331**

Rationale: The course is offered at the junior level and a 300-level number is more appropriate.

CVLE 432 Sanitary Engineering
Change in title to: Water/Wastewater Treatment
Change in alpha designator: **FROM:** CVLE **TO:** CE
Rationale: The new title more accurately reflects the course content.

CVLE 433 Advanced Hydraulic Engineering
Change in alpha designator: **FROM:** CVLE **TO:** CE
Rationale: See the note on page 1.

CVLE 443 Highway Design
Change in alpha designator: **FROM:** CVLE **TO:** CE
Rationale: See the note on page 1.

ENGR 107 Introduction to Engineering
Change in catalog description: **FROM:** An introduction to the engineering profession and engineering disciplines; effective problem-solving techniques; the engineering design process and team projects; introduction to engineering graphics and computer-aided design and drafting. 2 lec-2 lab. **TO:** Introduction to: The engineering profession and engineering disciplines, the engineering design process and team projects, and engineering graphics and computer-aided design and drafting.
Rationale: The catalog description more accurately reflects the course content and objectives.

ENGR 111 Computer Science for Engineers
Change in title to: Engineering Computations
Change in catalog description: **FROM:** An introduction to computer programming fundamentals using a high-level language, with an emphasis on engineering-related applications; an introduction to object-oriented programming techniques. **TO:** Introduction to effective problem-solving techniques using various engineering applications with an emphasis on accuracy. Various tools will be covered, including calculators, spreadsheets, and a computational environment such as MATLAB.
Rationale: The title and catalog description more accurately reflect the course content and objectives.

ENGR 216 Mechanics of Materials
Change in title to: Mechanics of Deformable Bodies
Rationale: The title is more consistent with the one used at other institutions and more descriptive of the course content.

ENGR 218 Fluid Mechanics
Change in course number: **FROM:** 218 **TO:** 318
Rationale: The course is required in the junior year, and the 300-level designation is more appropriate to the rigor of the course than a 200-level designation.

ENGR 241 Introduction to Geomatics
Change in alpha designator: **FROM:** ENGR **TO:** CE
Change in credit hours: **FROM:** 3 **TO:** 4
Change in catalog description: **FROM:** Introduction to methods and tools used to measure, analyze, and present surveying data; horizontal distances, elevation, directions, angles, locations, areas, and volumes on or near the earth's surface. **TO:** Introduction to methods and tools, including CAD, used to measure, analyze, and present surveying data; horizontal distances, elevation, directions, angles, locations, areas, and volumes on or near the earth's surface.

Rationale: Special emphasis will be placed on introducing civil engineering CAD packages requiring an additional credit hour. Also, this course is specific to the civil engineering emphasis and should have a CE designator.

• **COLLEGE OF LIBERAL ARTS**

GEO 230 Intro to Meteorology

Change in credit hours: **FROM:** 3 **TO:** 4

Rationale: The course needs to be increased from 3 credit hours to 4 credit hours. The class currently contains a lab component but due to the constraints of time, it is difficult to devote the necessary instructional time for labs that the students deserve.

GEO 350 Severe Local Storms and Natural Hazards

Change in credit hours: **FROM:** 3 **TO:** 4

Rationale: The course needs to be increased from 3 credit hours to 4 credit hours. The class currently contains a lab component but due to the constraints of time, it is difficult to devote the necessary instructional time for labs that the students deserve.

FACULTY SENATE CHAIR:

APPROVED BY THE
FACULTY SENATE:

Larry Striblev

DATE: *4/25/2008*

DISAPPROVED BY THE
FACULTY SENATE:

DATE: _____

UNIVERSITY PRESIDENT:

APPROVED:

[Signature]

DATE: *5/2/08*

DISAPPROVED:

DATE: _____

COMMENTS:

