

# MEMORANDUM

Faculty Senate Approved November 8, 2012

TO: Deans and Chairs  
 FROM: Becky Bitter, Assistant Registrar  
 DATE: October 31, 2012  
 SUBJECT: Minor Change Bulletin No. 3

The courses listed below reflect the minor curricular changes approved by the catalog editor since approval of the last Minor Change Bulletin. The column to the far right indicates the date each change becomes effective.

| Prefix  | Course Number | New<br>Revise<br>Drop | Current                                                                                                                                                                                                                                                                                                                              | Proposed                                                                                                                                                                                                                                                                                                                                                | Effective Date |
|---------|---------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| ACCTG   | 433           | Revise                | [M] <b>Accounting Systems and Auditing</b> 3 Course Prerequisite: Certified major in the College of Business, or certified minor in Business Administration. Accounting systems design; internal control and computerization. <del>Recommended preparation: ACCTG 330.</del>                                                         | [M] <b>Accounting Systems and Auditing</b> 3 Course Prerequisite: <u>ACCTG 330</u> ; Certified major in the College of Business, or certified minor in Business Administration. Accounting systems design; internal control and computerization.                                                                                                        | 1-13           |
| ACCTG   | 439           | Revise                | [M] <b>Auditing</b> 3 Course Prerequisite: Certified major in the College of Business, or certified minor in Business Administration. Nature of auditing, generally accepted auditing standards, and audit procedures as related to auditing of financial statements by independent accountants. Recommended preparation: ACCTG 433. | [M] <b>Auditing</b> 3 Course Prerequisite: <u>ACCTG 330</u> ; Certified major in the College of Business, or certified minor in Business Administration. Nature of auditing, generally accepted auditing standards, and audit procedures as related to auditing of financial statements by independent accountants. Recommended preparation: ACCTG 433. | 1-13           |
| BIOLOGY | 220           | Revise                | <b>Medical Terminology</b> 2 Course Prerequisite: <del>BIOLOGY 106</del> ; <del>BIOLOGY 107</del> . Terms and word constructions for health care occupations; format and function of medical records.                                                                                                                                | <b>Medical Terminology</b> 2 Course Prerequisite: <u>BIOLOGY 101, 102, 106, 107, or KINES 262</u> . Terms and word constructions for health care occupations; format and function of medical records.                                                                                                                                                   | 1-14           |

|     |     |        |                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                       |      |
|-----|-----|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| FIN | 325 | Revise | <b>Introduction to Financial Management 3 Course</b><br>Prerequisite: ACCTG 231; MGTOP 215; ECONS 101; Certified major in the College of Business, or certified minor in Business Administration. <del>Financial decision-making, financial strategies, investment in current and fixed assets, financial instruments, and capital markets.</del> | <b>Introduction to Financial Management 3 Course</b><br>Prerequisite: ACCTG 231; MGTOP 215; ECONS 101; Certified major in the College of Business, or certified minor in Business Administration. <u>Time value of money, financial securities and markets, financial decision making, valuation techniques, and cost of capital.</u> | 8-13 |
| FIN | 425 | Revise | <b>[M] Intermediate Financial Management 3 Course</b><br>Prerequisite: FIN 325; certified major in the College of Business, or certified minor in Business Administration. <del>Theory and practice of financial management; applications of financial principles to problems in financial management.</del>                                      | <b>[M] Intermediate Financial Management 3 Course</b><br>Prerequisite: FIN 325; certified major in the College of Business, or certified minor in Business Administration. <u>Application of finance theory and principles to corporate decisions such as capital budgeting, cost of capital, financing decisions, and valuation.</u> | 8-13 |
| FIN | 427 | Revise | <b>[M] Investment Analysis 3 Course</b> Prerequisite: FIN 325; certified major in the College of Business, or certified minor in Business Administration. Investment objectives, modern portfolio theory, valuation, equilibrium, market efficiency and <del>principles of security analysis.</del>                                               | <b>[M] Investment Analysis 3 Course</b> Prerequisite: FIN 325; certified major in the College of Business, or certified minor in Business Administration. Investment objectives, modern portfolio theory, valuation, equilibrium, market efficiency and <u>asset classes.</u>                                                         | 8-13 |
| FIN | 428 | Revise | <b>Portfolio Theory and Financial Engineering 3 Course</b><br>Prerequisite: FIN 427 or 437; certified major in the College of Business, or certified minor in Business Administration. <del>The theory of portfolio management and the use of derivative securities in portfolio risk management.</del>                                           | <b>Financial Derivatives and Portfolio Risk Management 3 Course</b> Prerequisite: FIN 427 or 437; certified major in the College of Business, or certified minor in Business Administration. <u>Pricing of forwards, futures, options, and swaps, financial derivatives markets, and managing portfolio risk.</u>                     | 8-13 |
| FIN | 481 | Revise | <b>[M] International Finance 3 Course</b> Prerequisite: FIN 325; certified major in the College of Business, or certified minor in Business Administration.                                                                                                                                                                                       | <b>[M] International Finance 3 Course</b> Prerequisite: FIN 325; certified major in the College of Business, or certified minor in Business Administration.                                                                                                                                                                           | 8-13 |

|                |            |               |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |
|----------------|------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
|                |            |               | <del>Financial problems of multinational businesses; international financial environment, long term capital commitment to an international venture, financial techniques for firm operation, and international investment.</del>                                                                                                                                                            | <u>Financial management of multinational businesses; international financial market rates and capital flows. International economic institutions, sources of capital, and investments.</u>                                                                                                                                                                                                                                                                                                                      |             |
| <b>FIN</b>     | <b>581</b> | <b>Revise</b> | <b>International Finance 3 Course</b><br>Prerequisite: Admission to the MBA, Master of Accounting, or Business PhD programs.<br>Principles of international finance; financial management of multinational corporations; international investments.<br>( <del>Crosslisted course offered as I BUS 581, FIN 581).</del> )                                                                    | <b>International Finance 3 Course</b><br>Prerequisite: Admission to the MBA, Master of Accounting, or Business PhD programs.<br>Principles of international finance; financial management of multinational corporations; international investments.                                                                                                                                                                                                                                                             | <b>8-13</b> |
| <b>FS</b>      | <b>538</b> | <b>Revise</b> | <b>Physical Properties of Foods 2</b><br>Thermophysical behavior of foods and biopolymers, including water transport/activity, rheological, thermal, dielectric, and barrier properties. Newtonian and non-Newtonian flow; Viscous, viscoelastic, and Hookean behavior. Relationship between rheology of food biopolymers and structure, composition, temperature, and plasticizer content. | <b>Physical Properties of Foods 2 Course</b><br>Prerequisite: <u>By permission of instructor.</u><br>Thermophysical behavior of foods and biopolymers, including water transport/activity, rheological, thermal, dielectric, and barrier properties. Newtonian and non-Newtonian flow; Viscous, viscoelastic, and Hookean behavior. Relationship between rheology of food biopolymers and structure, composition, temperature, and plasticizer content. <u>Cooperative: Open to UI degree-seeking students.</u> | <b>8-13</b> |
| <b>GEOLOGY</b> | <b>552</b> | <b>Revise</b> | <del><b>X-ray Analysis in Geology 3 (2-3)</b> Generation and use of X-rays for geological research; electron microprobe/SEM, X-ray fluorescence and X-ray powder diffraction. Cooperative course taught by WSU, open to UI students (GEOL 552).</del>                                                                                                                                       | <b><u>Analytical Methods in Earth Sciences 3 (2-3)</u></b> Theory and practical experience in EMPA, XRD, XRF, and ICPMS analysis. <u>Cooperative: Open to UI degree-seeking students.</u>                                                                                                                                                                                                                                                                                                                       | <b>1-13</b> |
| <b>MECH</b>    | <b>309</b> | <b>Revise</b> | <b>Introduction of Engineering Materials 3 (2-3) Course</b><br>Prerequisite: MECH 215; CHEM <del>106</del> or concurrent enrollment;                                                                                                                                                                                                                                                        | <b>Introduction of Engineering Materials 3 (2-3) Course</b><br>Prerequisite: MECH 215; CHEM <u>105</u> or concurrent enrollment;                                                                                                                                                                                                                                                                                                                                                                                | <b>8-13</b> |

|       |     |        |                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                        |      |
|-------|-----|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|       |     |        | PHYSICS 201 or concurrent enrollment. Structure of materials, phase equilibrium, phase transformations, mechanical failure, and mechanical properties; materials testing laboratory.                                                                                                                                                 | PHYSICS 201 or concurrent enrollment. Structure of materials, phase equilibrium, phase transformations, mechanical failure, and mechanical properties; materials testing laboratory.                                                                                                                                                                   |      |
| MECH  | 348 | Revise | <b>Dynamics Systems and Control</b> 3 Course Prerequisite: MECH 212; MATH 315; Certified major in Mechanical Engineering; Modeling and analysis of dynamic systems, including mechanical, electrical, fluid, and thermal systems. Fundamentals of vibration analysis, control systems.                                               | <b>Dynamics Systems and Control</b> 3 Course Prerequisite: MECH 212; <u>MECH 251</u> ; MATH 315; Certified major in Mechanical Engineering. Modeling and analysis of dynamic systems, including mechanical, electrical, fluid, and thermal systems. Fundamentals of vibration analysis, control systems.                                               | 8-13 |
| MECH  | 405 | Revise | <b>Introduction to Microcontrollers</b> 3 Course Prerequisite: MECH 304; <del>CS 251</del> . Microcontroller architecture, microcontroller programming, mechanical system design with embedded microcontrollers.                                                                                                                     | <b>Introduction to Microcontrollers</b> 3 Course Prerequisite: MECH 304. Microcontroller architecture, microcontroller programming, mechanical system design with embedded microcontrollers.                                                                                                                                                           | 8-13 |
| MGTOP | 215 | Revise | <b>Statistics 4 (3-2) Course</b> Prerequisite: MATH 201; MIS 250 or concurrent enrollment. Data presentation, probability, distributions, inferences, and linear regression as applied to business and economics.                                                                                                                    | <b><u>Business Statistics</u> 4 (3-2) Course</b> Prerequisite: MATH 201; MIS 250 or concurrent enrollment. Data presentation, probability, distributions, inferences, and linear regression as applied to business and economics.                                                                                                                      | 8-13 |
| MGTOP | 340 | Revise | <b>Operations Management 3 Course</b> Prerequisite: MGTOP 215; certified major in the College of Business, or certified minor in Business Administration. <del>Management of production and service operations with an emphasis on quality management; planning and control of workflow; resource allocation, and utilization.</del> | <b>Operations Management 3 Course</b> Prerequisite: MGTOP 215; certified major in the College of Business, or certified minor in Business Administration. <u>Management of operations, emphasizing production planning, inventory control, scheduling, forecasting, quality management, supply chain management, and facility layout and location.</u> | 8-13 |
| MGTOP | 470 | Revise | <b>Business Modeling with</b>                                                                                                                                                                                                                                                                                                        | <b>Business Modeling with</b>                                                                                                                                                                                                                                                                                                                          | 8-13 |

|  |  |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                  |  |
|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  |  | <p><b>Spreadsheets 3 Course</b><br/> Prerequisite: MATH 202 or 220; MIS 250; certified major in the College of Business, or certified minor in Business Administration. <del>Spreadsheet modeling and solution of business problems with emphasis on operations management and logistics applications.</del></p> | <p><b>Spreadsheets 3 Course</b><br/> Prerequisite: MATH 202 or 220; MIS 250; certified major in the College of Business, or certified minor in Business Administration. <u>Use of advanced spreadsheet tools and Visual Basic programming to build and analyze mathematical models of business problems.</u></p> |  |
|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|