The Graduate Council met Thursday, February 18, 2010 in 2007 Ullsvik Hall.

Members Present:
PROGRAM AREAS:
- Computer Science
  Rob Hasker – graduate program
- Counselor Education
  Kimberly Tuescher – graduate program
  Patti Heer – elected faculty (term expires end of 2010 summer session)
- Criminal Justice
  Cheryl Banachowski-Fuller – graduate program
  Sabina Burton – elected faculty (term expires end of 2010 summer session)
- Engineering
  Lisa Riedle – graduate program
- Master of Science in Education
  Scott Ringgenberg - elected faculty (term expires end of 2010 summer session)
- Project Management
  John Hammermeister – elected faculty (term expires end of 2011 summer session)
- At-Large Representatives
  Laura Anderson – elected faculty (term expires end of 2011 summer session)
- Graduate Student Representative
  Jennifer Wolfe - elected graduate student (term expires end of 2010 summer session)

EX OFFICIO MEMBERS
- Dr. David Van Buren, Dean, the School of Graduate Studies
- Regina Pauly – Information Services

Visitors Present – Donna Perkins and Colleen Kaiser.

Vice-Chair Cheryl Banachowski-Fuller opened the meeting at 3:00 p.m.

Announcements –

1. Reminder – the Admission to Graduate Faculty Subcommittee will be meeting Thursday, February 18, 2010 in 2007 Ullsvik Hall, 2:30 p.m. – 3:00 p.m. – all members of the Graduate Council are invited to participate.

2. Reminder – deadline for submission of changes/updates to the 2010-2012 Graduate Catalog is March 12, 2010.

Minutes –

1. Approval of the minutes from the January 28, 2010 meeting.
   Minutes were approved on a motion by Kimberly Tuescher and seconded by Sabina Burton.

Rob Hasker presented the Computer Science assessment report. He went over the exit survey and a news article talking about the Computer Science program at University of Wisconsin-Platteville. Discussion ensued. Information only – no action taken.

3. Acceptance of alternatives to the TOEFL (Test of English as a Foreign Language) for the master’s program in Computer Science – Rob Hasker.

Rob Hasker discussed a possibility of accepting alternatives to the TOEFL (Test of English as a Foreign Language) for those students accepted at Darmstadt and now seeking admission to a degree seeking program here at University of Wisconsin-Platteville. The TOEFL test is relatively expensive to take and if they’ve already been accepted at a partner institution with another score, could the TOEFL requirement be waived? David Van Buren asked what tests Darmstadt accepts for admission. Rob Hasker will bring that information back to the Graduate Council for consideration. This item will be placed on the March 2010 Graduate Council agenda.

4. Permission to plan new online master’s degree – M.S. in Organizational Change Management – second reading – Stephen Kleisath. NOTE: Request for permission to plan; Graduate Council needs to notify APC of whether it approves the request for permission to plan.

From the January 28, 2010 meeting minutes: “Stephen Kleisath presented and answered questions. A committee in the Distance Learning Center researched possible new master’s programs and this request to plan came from that research. The goal of this master’s degree would be graduates who would fill the need for organizational change managers. This would be an integrated degree covering such areas as “the nature of change, the change process, establishing the change vision, the origins of resistance, assessing readiness for change, communication strategies, and assessing stakeholders” (from the submitted entitlement to plan document). This master’s degree would be an online program and will operate on a cost recovery basis. The program would be operated out of Business and Accounting. Second reading for this course will be at the February 18, 2010 Graduate Council meeting.”

Donna Perkins was present to answer questions. Permission to plan was approved on a motion by Rob Hasker and seconded by Lisa Riedle.

5. Permission to plan new online master’s degree – M.S. in Distance Education Leadership – second reading – Susan Hansen. NOTE: Request for permission to plan; Graduate Council needs to notify APC of whether it approves the request for permission to plan.

From the January 28, 2010 meeting minutes: “Susan Hansen presented and answered questions. A committee in the Distance Learning Center researched possible new master’s programs and this request to plan came from that research. “With the increased need for distance education offerings, there is an equally important need to educate people who can develop, grow, and lead the organizations that will be providing for this increased access” (from the submitted entitlement to plan document). The goal of this new master’s degree would be “to prepare graduates to assume mid-level and senior responsibilities for planning, directing, designing, implementing, evaluating, research, and managing distance education programs” (from the submitted entitlement to plan document). This program is somewhat interdisciplinary and would be handled under Business Administration. This master’s degree would be an online program and will operate on a cost recovery basis. Second reading for this course will be at the February 18, 2010 Graduate Council meeting.”

Colleen Kaiser was present to answer questions. Permission to plan was approved on a motion by Scott Ringgenberg and seconded by Lisa Riedle.

6. Permission to plan new online master’s degree – M.S. in Integrated Supply Chain Management – second reading – Wendy Brooke. NOTE: Request for permission to plan;
Graduate Council needs to notify APC of whether it approves the request for permission to plan.

From the January 28, 2010 meeting minutes: “Wendy Brooke presented and answered questions. A committee in the Distance Learning Center researched possible new master’s programs and this request to plan came from that research. “For purposes of this degree, Integrated Supply Chain is defined as the alignment of supply chain goals and objectives seen from the perspectives of business, industrial technology, and industrial engineering. At University of Wisconsin-Platteville these perspectives are housed in the following departments: Business and Accounting, Industrial Studies, and Mechanical and Industrial Engineering” (from the submitted entitlement to plan document). This master’s degree would be an online program and will operate on a cost recovery basis. Courses and faculty will be drawn from (but not limited to) Business and Accounting, Industrial Studies, and Mechanical and Industrial Engineering. Second reading for this course will be at the February 18, 2010 Graduate Council meeting.”

Colleen Kaiser was present to answer questions. Permission to plan was approved on a motion by John Hammermeister and seconded by Lisa Riedle.

The Admission to Graduate Faculty Subcommittee met at 2:30 p.m. today – John Hammermeister and Cheryl Banachowski-Fuller.

7. Requests for admission to the Graduate Faculty, Provisional Membership –

- **Karen Barr** – School of Education, Continuing Education – beginning spring 2010 and expiring end of fall 2010.
  - TEACHING 6530E, Current Topics in Education: Curriculum and Course Construction #50.
- **Thomas Draz** – School of Education, Continuing Education – beginning spring 2010 and expiring end of fall 2010.
  - TEACHING 6530E, Current Topics in Education: Educational Psychology #53.
- **Ja`Tawn Pinson** – School of Education, Adult Education off campus – beginning spring 2010 and expiring end of fall 2010.
  - TEACHING 7540, Program Planning for Adults.

  John Hammermeister, seconded by Lisa Riedle, made a motion to approve Karen Barr, Thomas Draz and Ja`Tawn Pinson. Motion was approved unanimously.

8. Other business – **David Van Buren remarked that most of the “Support Courses” listed in the graduate catalog hardly ever have enrollment. He wondered if the “Support Courses” should be trimmed. Discussion ensued. No action taken.**

Meeting was adjourned at 3:32 p.m. on a motion by Jennifer Wolfe and seconded by Lisa Riedle.

Information only –

1. 2010-2012 Graduate Catalog information only changes effective fall 2010 –

   AGRICULTURAL INDUSTRIES CHANGES:
• **AGINDUS (Agricultural Industries) 5430, Quantitative Methods in Farm and Agribusiness – course description change** – This course provides both introduction to and application of the quantitative tools often used in farm and agribusiness decision-making. The toolbox will include sampling and survey design, regression, correlation, tests for dependence, hypothesis testing, nonparametric techniques, linear programming, simulation, optimization, and others. Review interpretation of agricultural statistics and journal articles. Review interpretation of agricultural statistics and journal articles.

• **AGINDUS (Agricultural Industries) 5500, Agricultural Prices and Risk Management – course description change** – Analysis of agricultural and nonagricultural price trends; elasticity of demand and supply; seasonal prices; and price cycles, and price management tools and strategies. Understanding the theory of demand and supply; how they change; and the impact on agricultural prices. Understanding and applying the concepts of risk and risk management with special emphasis on price risk management.

• **AGINDUS (Agricultural Industries) 5900, Planning Cooperative Education in Agriculture – course description change** – Determination of general program objectives and planning for the administration of all facets of the program, including curriculum development, instructional facilities and materials, Supervised Agricultural Experience Programs and the F.F.A. Program of Activities (M.S.E.: Curriculum).

**AGRICULTURAL SCIENCES CHANGES:**

• **AGSCI (Agricultural Sciences) 5040, Principles of Meat Science – course description change** – Structure and composition of skeletal and connective tissue; postmortem changes affecting meat quality and processing characteristics; processing techniques and quality control tests for meat products.

• **AGSCI (Agricultural Sciences) 6040, Swine Management – course description change** – The management principles and practices of the pork industry which include technologies incurred in selecting, feeding, breeding, reproduction, housing, disease control, and handling are discussed and demonstrated. The student is introduced to the organizational structure, economic realities, and production trends current in the industry.

• **AGSCI 6110 4 credits – title changed from Farm Animal Reproduction to Reproductive Physiology of Domestic Animals – course description change** – This course discusses the Covers basic anatomy, physiology, and basic endocrinology for of the reproductive processes in domestic livestock, companion animals, and cattle, swine, sheep, horses, and poultry. Basic concepts and principles will be integrated with reproductive management including proper utilization of artificial insemination, estrous synchronization, and ova transplant. Reproductive similarities and differences in humans will also be discussed. Methods available for enhancing or controlling reproductive processes in mammals will be discussed including the use of artificial insemination, estrous synchronization, embryo transfer, and reproductive biotechnology. The effects of environment, nutrition, and disease will also be examined for their influences on reproduction.

**COUNSELOR EDUCATION CHANGES:**

• **COUNSLED 6250 Group Counseling – course description change** – This course presents the theory and applied models of structured and developmental group counseling. The emphasis is placed on learning to facilitate a gradual increase in problem-solving skills leading to wellness.

• **COUNSLED 6600 Measurement for Counselors and Educators – course description change** – Teacher and counselor candidates will gain knowledge about basic descriptive statistics and The course is designed to study assessment instruments and procedures in areas of interest including; attitude, intelligence, and personality so that they may be able to assess students and/or clients for the purpose of placement and treatment. There is also discussion focusing
on the theoretical foundations upon which such procedures and devices are founded. They will also gain skills in developing useful teaching and/or counseling strategies that address an individual's strengths and weakness indicated through testing.

- **COUNSLED 6630 Introduction to Professional Counseling** – course description change –
  - **Old description** - An exploration of the historical, psychological, sociological, ethical and philosophical foundations of the helping professions. Perspectives on the educational process, and adult and special needs populations are addressed.
  - **New description** - This course is an exploration of the historical, psychological, sociological, and philosophical foundations of the helping professions. Students explore basic theories, concepts, research, and skills associated with school and community counseling, as well as various roles and responsibilities assumed by the professional counselor. Emphasis is on important legal, professional, and ethical issues.

- **COUNSLED 6930 Seminar in Educational Issues** – course description change –
  - **Old description** - An in-depth study of a current issue, idea, or topic of interest to professional counselors. The topic to be covered is appended to the course designation in the timetable.
  - **New description** - An in-depth study of a current issue, idea, or topic of interest to professional educators.

- **COUNSLED 7010** – name changed from Counseling in the Schools to Counseling in the School – course description change –
  - **Old description** - Study of the essential elements in school counseling program including the early identification of problems, individual and group counseling, classroom guidance, preparation for education and work, consultation with parents, use of community child and adolescent counseling resources, and research concerning psychological and educational issues. The focus will be on developing competency of the school counseling standards and knowledge of the ASCA model. A professional portfolio will be created by each student.
  - **New description** - Clinical requirement for Practica in School Counseling. Study of the essential elements in a school counseling program including the early identification of problems, individual and group counseling, classroom activities, preparation for education and work, consultation with parents, use of community and community counseling resources, and research concerning children and adolescent issues. Students will also demonstrate knowledge of ethical and legal issues involved when counseling children and adolescents.

- **COUNSLED 7020 Individual Counseling Techniques** – course description change –
  - **Old description** - Focus is on the fundamental communication skills used by counselors. Course work is dominated by practice in the use of techniques that optimize listening and responding to client concerns. Students prepare three audio or video taped interviews with typescripts for review and critique.
  - **New description** - Focuses on the fundamental conversational skills used by counselors. Course work is dominated by practice in the use of techniques that optimize listening and responding to client concerns. Students prepare audio-taped interviews with typescripts for review and critique.

- **COUNSLED 7050 Practicum I** – course description change –
  - **Old description** - Clinical approval by the program faculty is required before registration. The student must accrue 75 hours of counseling experiences in the School Counseling and Student Services in Higher Education clinical tracks and 75 - 150 hours in the Community Counseling track. For all three clinical tracks, students observe practice at a minimum of 3 different sites.
  - **New description** - Clinical approval is required. Recommended to be taken concurrently with a corresponding track course. The student must accrue 75 hours in the school
track and 150 hours in the community and higher education track of observational experience in the appropriate setting. For the school track, students will only go to school sites with a practicing certified counselor. Approval of the proposed site will be based on the Wisconsin Department of Public Instruction guidelines and limited to available Counselor Education Program resources. Community and Higher Ed. Track students should choose practicum experiences consistent with their occupational goals. No more than 3 credits may be applied toward the master’s degree. Prerequisites: Practicum I applicants must have passed candidacy and clinical, and completed all program core requirements.

- **COUNSLED 7060** Practicum II – course description change –
  - **Old description** - The student must have successfully completed the Practicum I course in the corresponding clinical track prior to this experience. The student must accrue 525 hours of counseling related experiences in the Community and School tracks and 256 hours of service in the Student Services in Higher Education track. A full experience for School and Community track students is 12 credits and for Student Services in Higher Education Students a full experience is 6 credits. Prior to the Practicum II semester, the student needs to apply with the clinical coordinator of their respective track for their site placement(s). The clinical coordinator will assist in making an appropriate placement that offers supervision and a quality experience.
  - **New description** - Clinical approval required. The student must accrue at least 555 hours in the school track and 256 hours of counseling-related experiences in the Community and Higher Ed. Tracks. Students must apply for Practicum II one semester prior to the semester in which they will be starting their practicum. The student must secure a practicum application form from the Counselor Education program assistant, complete the application with the approval of the appropriate supervisor, and return the form to the program assistant. Students who pursue school certification may propose a school (elementary, middle/junior high, or secondary) in which a practicing certified counselor will act as the on-site supervisor. The approval of the proposed setting will be based on Wisconsin Department of Public Instruction guidelines and available Counselor Education Program resources. Students in community counseling must propose an agency or college office that will provide appropriate supervision and experience. Prerequisites: The practicum applicant must have 1) been admitted to candidacy, 2) completed all required courses, 3) obtained departmental approval for clinical, and 4) successfully completed Practicum I.

- **COUNSLED 7070** – name changed from Theories of Counseling and Psychotherapy to Counseling Theories.

- **COUNSLED 7080** Career Counseling – course description change –
  - **Old description** - A core course in which students will acquire an understanding of the role of career life planning. Vocational/occupational information, assessment instruments, and counseling procedures are explored in school, higher education and community settings.
  - **New description** - This core course is designed to prepare students for counseling in the area of career and life planning. Focus will be on increasing students’ knowledge of career development theories, career assessment instruments, career resources, and job search strategies. Career and life planning will be conceptualized from a holistic perspective; thus theories and skills will be integrated into personal counseling process and placed in social, familial, cultural, and developmental contexts.

- **COUNSLED 7140** Student Services in Higher Education – course description change –
  - **Old description** - This course will serve as an introduction to the profession of providing student services in a pluralistic higher education context through study of the theories of college student development and administration and leadership on a university campus.
Students will get the opportunity to explore an area in which they are particularly interested as well as get a broad overview of student service programs as a whole.

- **New description** - Clinical requirement for Practica in Student Services. This course is an orientation to College Student Personnel. Students will become familiar with the higher education system and the counseling needs within it. Focus for this course will be practical application and discussion of topics relevant to the College Student personnel Counselor.

- **COUNSLED 7150** – name changed from *Counseling in the Community* to *Community Counseling* – course description change –
  - **Old description** - An orientation to community agencies and their counseling programs; organization, administration, accountability systems, types of services, and training requirements will be studied.
  - **New description** - Clinical requirement for Practica in Community Counseling. An orientation to community agencies and their counseling programs; organizations, administration, accountability systems, types of services, and training requirements will be studied. The community counseling track prepares license eligible graduates in professional counseling, and the department is an Approved Program by the Professional Counselor Section of the Marriage and Family Therapy, Professional Counseling, and Social Work Examining Board.

- **COUNSLED 7650** Research Procedures for Professional Counselors – course description change –
  - **Old description** - This course is designed to familiarize students with the formal processes of research. Major topics include hypothesis generation, research design, statistical testing, and methodological alternatives. Students prepare an abbreviated literature review that incorporates the use of library and internet resources.
  - **New description** - This course is designed to understand the foundations, principles, and purposes of research and counseling education, including the philosophy of knowledge and the scientific method. This course will familiarize students with the formal processes of research and demonstrate the ability to critically evaluate scientific research. Major topics include hypothesis generation, research design, statistical testing, and methodological alternatives.

- **COUNSLED 7990** Thesis Research – course description change –
  - **Old description** - Three graduate faculty serve on the student's thesis committee and must have signed a thesis proposal in order for the student to register for Thesis Research. Procedures for thesis research can be found at www.uwplatt.edu/library/reference/gradstud.html.
  - **New description** - Three graduate faculty members serve on the student's thesis committee and must have signed a thesis proposal in order for the student to register for Thesis Research.

**INDUSTRIAL STUDIES CHANGES:**

- **INDUSTDY 5140** 4 credits *General Construction Estimating* – course description change – Principles, theories, and systems of general construction estimating; quantity survey techniques; standard forms; material costs and labor pricing; and the use of computer estimating software. *(Fall, Spring)* P: INDUSTDY 2430 and COMPUTER 1830

- **INDUSTDY 5150** 3 credits *Polymeric and Ceramic Materials* – course description change – An analytical course that introduces students to the science and chemistry of polymeric and ceramic materials. The course is divided into two parts. Part I contains the fundamentals of atomic bonding, crystalline structures, phase diagrams, kinetics and effects; Part II discusses the properties, design considerations, and applications of these industrial materials. *(Fall)* P: INDUSTDY 1830
• **INDUSTDY 5210** 3 credits **Construction Laboratory** – course description change – Laboratory and field experience in basic carpentry and masonry principles, concrete forming, brick and block laying, estimating, scheduling, and related areas.  *(Fall, Spring)* **P:** INDUSTDY 1130 and INDUSTDY 2430

• **INDUSTDY 5220** 3 credits **Construction Procedures** – course description change – Planning and analysis of work methods, scheduling and its computer applications, control of crews, materials and equipment selection, CPM and PERT methods of scheduling, construction safety, contract types, the project manual concept, and construction specification writing and interpretation.  *(Fall, Spring)* **P:** INDUSTDY 2430 and MATH 1830 and COMPUTER 1830

• **INDUSTDY 5230** 3 credits **Digital Electronics** – course description change – The study of digital and linear integrated circuits utilized in control systems applications. Timer circuits, logic gates, and programmable memory will be used in applications. Microcontroller programming and applications will be emphasized. *(Fall) P:** INDUSTDY 1200 and INDUSTDY 1530.

• **INDUSTDY 5480** 3 credits **Metalcasting Technology I** – course description change – Technical study and laboratory investigation into processes used in the manufacturing of non-ferrous metalcastings. Special emphasis will be put on the following processes: green sand molding and testing, evaporative pattern casting, investment casting, chemically bonded sand, and shell sand casting. Also, lecture and discussions on the following topics: gating practices, sand technology, coremaking, casting defects, pattern development, metallurgy of aluminum and light alloys, metallurgy of copper base alloys, and trends in the metalcasting industry. *(Spring)* **P:** INDUSTDY 1030 and INDUSTDY 1430.

• **INDUSTDY 5560** 3 credits **Industrial Control Systems** – course description change – The course includes the principles of measurement and control fundamentals including relay control systems, ladder logic, programmable controllers, industrial sensors, control software, D/A and A/D conversions, and computer-controller systems. *(Fall) P:** INDUSTDY 1200 and INDUSTDY 1530

• **INDUSTDY 5590** 3 credits **Industrial Hygiene Technology** – course description change – This course is concerned with the chemical and physical hazards that impair the health of workers while on the job. Emphasis in the course is in recognizing, evaluating, and controlling hazards. Students receive experience in monitoring exposure of workers to toxic harmful hazards and harmful physical conditions. *(Every other spring)* **P:** INDUSTDY 2710

• **INDUSTDY 5610** 3 credits **Safety and Worker Compensation Laws** – course description change – A study of the function of federal, state, and local laws in occupational safety. Emphasis is placed on OSHA and worker compensation legislation. The course reviews current requirements and court decisions as they relate to injury, accidents, and occupational disease. An opportunity is provided to evaluate various standards as each applies to educational and industrial facilities. *(Every third semester)* **P:** INDUSTDY 2710

• **INDUSTDY 5730** 3 credits **Three-Dimensional CADD** – course description change – A study of the principles and techniques used to illustrate three-dimensional forms. Traditional techniques and CADD techniques are employed to construct wire-frame, surface, and solid models. *(Spring) P:** INDUSTDY 1230 or *(GENENG 1020 or GENENG 1030 and GENENG 1320)

• **INDUSTDY 5810** 3 credits **Alcohol and Other Drugs as Related to Safety** – course description change – Accident causation by alcohol and other drugs. Units of study include drug classification, alcohol and its effect on the American society, alcohol and driving, drug education curricula and resource materials, and handling drug problems on the job. A study of drug and alcohol use and abuse related to safety is included in the curriculum. The effects of drug and alcohol use and abuse and their influences on American Society are provided. Responsible drinking and driving issues are also covered. In addition, strategies to deal with the troubled employee at the workplace are included. Emphasis is placed on discussion. **A**
university or community service learning opportunity is also provided. (Every other Spring) P: INDUSTDY 2710

• INDUSTDY 5930 3 credits Teaching Technology Education – course description change – Teaching methodology, delivery styles, and developing learning sessions and their utilization in technology education are presented. Each student will develop skills in effectively presenting information via several forms of instructional technology. P: TEACHING 2220 and Junior standing. Teaching methodology, delivery styles, and curriculum development for technology education. Unit planning, lesson planning, and aligning curriculum to standards are emphasized in an interactive teaching/learning environment. (Fall, Spring) P: TEACHING 1230

• INDUSTDY 6020 1-3 credits Topics in Industrial Studies – course description change – The study of selected topics common to the industrially oriented disciplines. The topic to be covered will be identified in the course title. (Fall, Spring) P: consent of instructor

• INDUSTDY 6130 3 credits Industrial Laser Application – course description change – An investigation of principles and applications of lasers and laser systems as they pertain to manufacturing, service, and communication industries. The use of lasers in industrial, medical, and military applications will be discussed. Emphasis will be given to industrial applications such as cutting, welding, and heat treating. (Spring) P: INDUSTDY 1430 and INDUSTDY 1830

• INDUSTDY 6480 3 credits Industrial Robotics – course description change – Study and application of robotic systems to include: fundamentals, classification, integration in manufacturing systems, end-effectors, sensors, vision systems, auxiliary equipment and control systems, safety and cost justification. Basics of robot programming is applied. (Fall, Spring) P: INDUSTDY 1530

• INDUSTDY 6530 3 credits Residential Planning and Design – course description change – Residential planning, design, and construction; specific emphasis is placed on the presentation plans, home ownership, housing, design requirement, and special structural design considerations. Laboratory work consists of developing a complete set of working architectural plans and related specifications using conventional and CADD drafting practices. (Fall, Spring) P: INDUSTDY 2430

• INDUSTDY 6630 3 credits Building Systems Analysis – course description change – The major building systems, which include electrical systems, climate controlling systems, lighting systems, and water supply and drainage systems are studied. (Fall, Spring) P: INDUSTDY 2430 and COMPUTER 1830

• INDUSTDY 6640 3 credits Curriculum and Facility Planning – course description change – Curriculum development and course of study construction. Procedures for identifying content and organizing a teaching plan, correlating laboratory facilities with instructional content including laboratory specifications, placement of equipment, and laboratory management. P: TEACHING 2220. Curriculum development through design of a program of study. Procedures for identifying and organizing content are examined. Laboratory design and layout are correlated with curriculum through examination of building codes, safety requirements, and equipment specifications. (Fall, Spring) P: TEACHING 1230

• INDUSTDY 6720 3 credits Seminar in Safety – course description change – Programs in safety will be explored with safety resource experts from industry, education, and government agencies invited as speakers. Additional time is devoted to topics to prepare the safety student for the safety profession. Included would be such topics as how to develop resumes, employment opportunities in the safety profession, and certification available in the safety profession. (Every third semester) P: INDUSTDY 2710.

• INDUSTDY 6750 3 credits Disaster Preparedness – course description change – Principles of organization on the local, state, and national levels concerning natural and human disasters. A systematic and realistic approach to hazard analysis and mitigation. An opportunity will be
provided to participate in a class disaster preparedness project.  (Every third semester)  P: INDUSTDY 2710

- **INDUSTDY 6770** 3 credits **Loss Control Safety Management** – course description change – The role of management involved with principles of organization, implementation, administration, and evaluation of occupational safety programs is provided in the course. Methods of controlling losses, basic risk management theories, behavioral-based safety concepts and others are studied caused by all types of incidents are studied. Emphasis is placed on accountability and measuring safety performance at all levels of industry.  (Spring)  P: INDUSTDY 2710

- **INDUSTDY 6780** 3 credits **Ergonomics in the Workplace** – course description change – Ergonomics is the study of fitting jobs to workers and doing whatever is necessary to improve worker comfort. Topics covered in this course include: identifying ergonomic problems, office ergonomics, biomechanical principles, determining physical stress on the job, back problems, and flexibility exercises. OSHA guidelines for meatpacking plants, NIOSH lifting standard and equation, cumulative trauma disorders, ergonomic job hazard analysis, workstation design cost vs. poor design, and others will be explored. An opportunity is provided to conduct an ergonomic job hazard analysis.  (Spring)  P: INDUSTDY 2710

- **INDUSTDY 6790** 3 credits **Safety Management Proposals** – course description change – The course stresses the importance of communications to the safety professional. Areas of communication studied include setting up and conducting safety conferences and developing a safety manual, building safety training programs, current research in safety, written safety communications, and using audio-visuals in safety. The opportunity to develop a safety program is provided. Other safety-related communication techniques are also covered.  (Fall)  P: INDUSTDY 2710

- **INDUSTDY 6810** 3 credits **Fire Protection** – course description change – A study of the nature and theory of fire hazards; preplanning to prevent fires; the systems approach to fire protection services; the technology of fire control; and the application of theory and technology to solving fire problems. Special attention is given to preparing comprehensive fire prevention programs for any type of in the business or industrial world.  (Fall)  P: INDUSTDY 2710

- **INDUSTDY 6820** 2 credits **Principles of Vocational-Technical Education** – course description change – The principles of vocational-technical education including the needs for vocational-technical education in society; status of vocational-technical education with special emphasis on the Wisconsin Plan. Satisfies vocational certification.  P: TEACHING 2220 or equivalent. An examination of the historical roots of vocational-technical education. Readings and research are conducted on the current trends and issues facing vocational-technical education in a high tech society. Satisfies vocational certification.  (Spring)  P: TEACHING 1230

- **INDUSTDY 6840** 3 credits **Construction Administration** – course description change – Construction company organization; contract documents; legal, ethical, business, and management procedures; and principles of construction management.  (Fall, Spring)  P: INDUSTDY 2430.

- **INDUSTDY 6850** 3 credits **Thermoforming Technology** – course description change – A course emphasizing process description and process evaluation. The course is divided between lab and lecture. The students will learn theoretical knowledge of plastic forming processes and practical experience running equipment. Topics include injection molding and extrusion.  (Fall)  P: INDUSTDY 2910 Plastics Technology.

- **INDUSTDY 6860** 3 credits **Injection Molding Technology** – course description change – A course designed to provide students with an in-depth knowledge of design, evaluation, and processing techniques as they pertain to the plastics industry. The course emphasizes parts design, process description, process evaluation and cost evaluation. The course consists of lab and lecture. The students will learn theoretical knowledge of thermoforming, rotational molding, mold forming, and other techniques.  P: INDUSTDY 2910 Plastic Technology.
The course is an investigation of the science and technology of injection molding as a common method of production of plastic articles. The description of the technology and machinery will be discussed. Emphasis will be given to part and mold design, use of CAD-CAM and simulation packages such as Mold-Flow. Students will have hands-on opportunities of working with mold preparation, machine operation, process troubleshooting and part evaluation. (Spring) P: INDUSTDY 2910

- **INDUSTDY 6960** 3 credits Commercial Building Planning and Construction Techniques – course description change – Specific emphasis is placed on the planning/materials/methods and construction practices associated with general building construction including people/buildings/cities, land planning, infrastructure, architectural programming, equipment/machines, codes, pre-engineered buildings, and innovative technologies. (Fall, Spring) P: INDUSTDY 2430
- **INDUSTDY 6980** 3 credits Training and Supervision – course description change – An investigation of the duties and responsibilities of first line supervisors. Emphasis is given to worker motivation, effective communication with employees, recruiting and selecting employees, supervisory leadership, employee evaluation and discipline, special interests in the workplace, employee training needs, and industrial training programs. (Fall, Spring)
- **INDUSTDY 6990** 2-8 credits Industrial Studies Internship – course description change – An on-the-job assignment commensurate with the instruction program and approved by the industrial internship coordinator. May be repeated for up to eight credits, but must be progressively more advanced. (Fall, Spring, Summer) P: See department program notes.

**Graduate Council 2009 – 2010 meeting dates:**
Graduate Council will meet 3:00 p.m. – 5:00 p.m. in 2007 Ullsvik Hall:
- September 17, 2009
- October 15, 2009
- November 19, 2009
- December 17, 2009
- January 28, 2010
- February 18, 2010
- March 25, 2010
- April 15, 2010
- May 6, 2010

**Request for Admission to Graduate Faculty Subcommittee will meet 2:30 p.m. – 3:00 p.m. in 2007 Ullsvik Hall:**
- September 17, 2009
- October 15, 2009
- November 19, 2009
- December 17, 2009
- January 28, 2010
- February 18, 2010
- March 25, 2010
- April 15, 2010
- May 6, 2010

**GRADUATE COUNCIL MEMBERSHIP 2009-2010:**
**PROGRAM AREAS:**
- **Agricultural Industries**
  - Mike Compton – graduate program
- **Computer Science**
  - Rob Hasker – graduate program
  - Qi Yang – elected faculty (term expires end of 2010 summer session)
- **Counselor Education**
  - Kimberly Tuescher – graduate program
  - Patti Heer – elected faculty (term expires end of 2010 summer session)
- **Criminal Justice**
  - Cheryl Banachowski-Fuller – graduate program
  - Sabina Burton – elected faculty (term expires end of 2010 summer session)
- **Engineering**
  - Lisa Riedle – graduate program
  - Barb Barnet – elected faculty (term expires end of 2010 summer session)
Industrial Technology Management
Colleen Kaiser (representing David Heimerdinger) – graduate program
Master of Science in Education
Alison Bunte – graduate program
Scott Ringgenberg – elected faculty (term expires end of 2010 summer session)

Project Management
D. William Haskins – graduate program
John Hammermeister – elected faculty (term expires end of 2011 summer session)

At-Large Representatives
Laura Anderson – elected faculty (term expires end of 2011 summer session)
Tim Deis – elected faculty (term expires end of 2010 summer session)

Graduate Student Representative
Jennifer Wolfe - elected graduate student (term expires end of 2010 summer session)

EX OFFICIO MEMBERS
Dr. David Van Buren, Dean, the School of Graduate Studies
Regina Pauly – Information Services