Present: Dave Ballantine (CLAS), Kate Cady (COMS), Omar Chmaissem (PHYS), Amanda Durik (PSYC), Jeremy Groves (ECON), Frances Jaeger (FL&L), Joel Stafstrom (BIOS), Suzanne Hogan (CLAS)

A. **Action on Minutes**

Minutes from the #4 meeting on September 24, 2014, have been approved electronically and forwarded to the catalog editor.

B. **Miscellaneous**

Stafstrom handed out materials regarding the PLUS program. There wasn’t enough time for the committee to discuss the details, so we will be revisiting the program at next week’s meeting.

The contract major proposal for Carrie Morris was returned to WOMS. Overall, the committee was supportive of the contract major and believes that Carrie has provided adequate justification for her request. However, there were several issues that will need to be addressed with regard to her courses and credit hours before the committee is able to approve the proposal.

C. **Curriculum – Old Business**

None

D. **Curriculum – New Business**

**College of Liberal Arts and Sciences**

Revisions to the Concentration in Medieval Studies were approved.

**Department of Biological Sciences**

The committee approved a revision to BIOS 462, which is being crosslisted as GEOG 462X.

**Department of Geography**

The deletion of MET 320 was approved. The following new courses were approved: GEOG 360, GEOG 462X, GEOG 554, and MET 475. Revisions to GEOG 460, GEOG 560, MET 421, and MET 444 were approved. Revisions to Emphasis 1, Emphasis 2, MET major requirements, the Certificate of Undergraduate Study in GIS, and Certificate of Graduate Study in GIA were also approved.
Department of Psychology

The following new courses were approved: PSYC 480, PSYC 623, PSYC 626, and PSYC 631. Revisions to PSYC 219 and the M.A. course requirements were also approved.

Tabled:

None
Interdisciplinary Concentration

Concentration in Medieval Studies

Five of the following from at least three departments (15)

- ARTH 310 – Studies in Ancient and Middle Eastern Art: Islamic Art (3)
- ARTH 320 – Studies in Medieval Art (3)
- ARTH 330A – Studies in Early Modern Art: Early Italian Renaissance Art (3)
  OR ARTH 330B Studies in Early Modern European Art: Early Northern Renaissance Art (3)
- ARTH 452 – Topics in Art History: Medieval Art (3)
- ARTH 453 – Topics in Art History: Early Modern European Art (3)
- ENGL 320 – History of the English Language (3)

Rationale: Updating the course list to reflect changes in the medieval offerings in the School of Art.

Impact Statement: The Department of History has consulted with the School of Art regarding the addition of several ARTH courses to the list of requirements for the Concentration in Medieval Studies. ARTH is supportive of the additions and did not identify any negative impact on course availability or enrollment.

Department of Biological Sciences

Course Revision

BIOS 462. BIOGEOGRAPHY (3). Crosslisted as GEOG 462X. Role of ecological, evolutionary, and historical factors… PRQ: BIOS 316.

Rationale: New crosslisting with GEOG.

Notification: The Department of Biological Sciences is fully supportive of this crosslisting.

Department of Geography

Course Deletion

Meteorology (MET)

MET 320. SYNOPTIC METEOROLOGY (3).
Rationale: Recently updated curricular standards from the American Meteorological Society call for a different background in weather analysis and forecasting. These revised standards place greater emphasis on understanding and using weather remote sensing systems and weather models. Hence as part of our curriculum revision we have added a course in radar meteorology and propose to add another practicum-based course. Students will be required to take these new courses in addition to MET 444, Mesoscale Meteorology. MET 320 is no longer needed.

Notification: A thorough search of the course catalog was completed. There are no programs outside of the Department of Geography where this course is currently being used. Notification is not required.

New Course 2014-15 Undergraduate Catalog

CIP: 40.0701

GEOG 360. INTRODUCTION TO REMOTE SENSING (3). Introduction to the principles of acquiring and interpreting data from remote sensing systems, focusing primarily on the use of aerial photography and satellite imagery to study the environment. Physical processes involved in remote sensing including electromagnetic radiation and its interaction with atmosphere and land surface; common remote sensing systems; basic principles of photogrammetry. Lecture and laboratory. PRQ: MATH 210 or MATH 211 or MATH 229.

Rationale: There is a well-recognized lack of skill in observational analyses and diagnoses of meteorological phenomena despite intensive use of in situ and remotely sensed data in weather analysis and forecasting processes. Such skills are particularly relevant to localized forecasting of rapidly forming weather systems and severe weather. This course addresses student interest in hands-on, field-based meteorological experience as well as professional calls for more field/observational experience in undergraduate meteorology curricula. MET 291 is primarily a mentored study course, designed for students wishing to participate in REU-like experiences with NOAA, NWS, Argonne National Lab and other meteorological/climatological research groups.

Non-Duplication: The Department of Electrical Engineering was notified with regard to this course and has indicated there is no significant duplication with any of their current course offerings.

New Course 2014-15 Undergraduate Catalog

CIP: 45.0701

GEOG 462X. BIOGEOGRAPHY (3). Crosslisted as BIOS 462. Role of ecological, evolutionary, and historical factors in explaining the past and current distributions of plants and animals. Current theory and applications to species preservation and nature reserve design. Three hours of lecture. PRQ: BIOS 316.

Rationale: Given academic expertise in the Department of Geography, we propose creating BIOS 462 as a crosslisted course in Geography. This will allow the course to be taught by faculty in either department thereby improving the frequency of its availability to students.
Non-Duplication: None. This is a crosslisting for an existing course. The Department of Biological Sciences is fully supportive of this crosslisting.

New Course 2014-15 Graduate Catalog

CIP: 40.0701

GEOG 554. FUNDAMENTALS OF REMOTE SENSING (3). Principles of acquiring and interpreting data from remote sensing systems. Use of aerial photography and satellite imagery to study the environment. Physical processes involved in remote sensing including electromagnetic radiation and its interaction with atmosphere and land surface; common remote sensing systems; basic principles of photogrammetry. Lecture and laboratory.

Rationale: This new course parallels GEOG 360 at the graduate level. The intent is to have this course cover the basic remote sensing principles in more detail than currently done in GEOG 560 and change the content of GEOG 560 to cover more advanced topics. The new sequence, GEOG 554 and GEOG 560, will make the course offering in remote sensing consistent with what we currently do in GIS through GEOG 557 and GEOG 559. In addition, we are working on establishing graduate student connections with universities in China and south Asia. Those students often have weaker backgrounds in remote sensing technologies and thus this course will provide them with the background necessary to succeed in the more advanced GEOG 560.

Non-Duplication: The Department of Electrical Engineering was notified with regard to this course and has indicated there is no significant duplication with any of their current course offerings.

New Course 2014-15 Undergraduate Catalog

CIP: 40.0401

MET 475. PRACTICUM IN WEATHER ANALYSIS AND FORECASTING (1). Application of meteorological observations, numerical weather prediction models, and synoptic and mesoscale analysis and forecasting techniques to produce site-specific weather forecasts. This practicum course involves one hour of lecture. Two credit hours are needed for the Meteorology degree but may be repeated to a maximum of 4 credit hours but only two will count toward the degree.

PRQ: MET 300.

Rationale: To prepare for career success in meteorology, students with a meteorology degree must develop the ability to successfully forecast weather across many spatial and temporal scales. Furthermore, depending on the sector (i.e., energy, agriculture, insurance, transportation, etc.) they will need to be able to apply synoptic and mesoscale meteorological knowledge in a range of conditions and situations where understanding the inherent uncertainty associated with weather is important. This course addresses a growing disciplinary need for students to work hands-on with various state-of-the-art tools and technologies to create and communicate weather forecast information.

Non-Duplication: A thorough search of the course catalog was completed. No other course offerings with similar content were found.
### GEOG 460. REMOTE SENSING OF THE ENVIRONMENT (3)

**Introduction to the principles of acquiring and interpreting data from remote sensing systems.** Extraction of earth resource, meteorological, and environmental change information through photogrammetry and image processing techniques and applications of satellite, LIDAR, and radar remote sensing in earth and atmospheric sciences. Computer-based methods for extracting useful information from remotely sensed data for geoscience/environmental applications; principles of digital image processing techniques including radiometric and geometric correction, image enhancement, image classification, and change detection; principles of the latest remote sensing technologies and their applications: LIDAR and GRACE. Lecture and laboratory. **PRQ:** MATH 210 or MATH 211 or MATH 229 GEOG 360 or MET 360.

**Rationale:** A new course focusing on the basic principles of remote sensing has been proposed. Some contents currently covered in GEOG 460 will be moved to that new course and GEOG 460 will be focused on computer-based image processing methods to extract useful information from remotely sensed data. This content adjustment will allow a more in-depth study of contents at introductory and advanced levels and offer contents that will serve the interests of students in our Geomatics emphasis. This change will also make our offerings in remote sensing parallel to those in GIS.

**Notification:** Not required for this change.

### GEOG 560. REMOTE SENSING OF THE ENVIRONMENT (3)

**Introduction to the principles of acquiring and interpreting data from remote sensing systems.** Extraction of earth resource, meteorological, and environmental change information through photogrammetry and image processing techniques and applications of satellite, LIDAR, and radar remote sensing in earth and atmospheric sciences. Computer-based methods for extracting useful information from remotely sensed data for geoscience/environmental applications; principles of digital image processing techniques including radiometric and geometric correction, image enhancement, image classification, and change detection; principles of the latest remote sensing technologies and their applications: LIDAR and GRACE. Lecture and laboratory. **PRQ:** GEOG 554 or consent of department.

**Rationale:** Updated and expanded content in GEOG 560, with some of more basic material now introduced in GEOG 554. This content adjustment will allow a more in-depth study of the utilization of satellite and ground based remote sensing methods, including LIDAR, in GIS, mapping and the geosciences. The proposed change parallels our offerings in remote sensing with those in GIS and Geographic Information Analysis.

**Notification:** Not required for this change.
MET 421. ADVANCED SYNOPTIC METEOROLOGY (3-4). Applications of synoptic analysis, forecast… …Two Three hours of lecture and two hours of laboratory. PRQ: MET 320 MET 300. CRQ: MET 360 or GEOG 360.

Rationale: This course will be expanded to 4 credit hours due to the elimination of MET 320 from the meteorology program. Some information traditionally taught in MET 320 (evaluating and using meteorological codes and numerical weather predictions) will be incorporated into the expanded MET 421 course. Students will apply what they learn in MET 421 in MET 475 (developing and communicating forecast information).

Notification: A thorough search of the catalog was completed. There are no programs outside of the Department of Geography where this course is currently being used. Notification is not required.

Course Revision 2014-15 Undergraduate Catalog

MET 444. MESOSCALE METEOROLOGY (3). Structure, evolution,… …PRQ: MET 320 300.

Rationale: Deletion of MET 320.

Notification: Not required for this change.

Other Catalog Change 2014-15 Undergraduate Catalog

Major in Geography
↓
Emphasis 1: Geography (B.A. or B.S.)

Requirements in Department (36)
↓
Area Studies
Course work from the following
GEOG 303 – Water Resources and the Environment (3)
↓
GEOG 338 – Geography of Asia (3)
GEOG 368 – Climate Change: Science, Impacts & Mitigation (3)
GEOG 408 – Tropical Environmental Hazards (3)
↓
Geographic Information Systems
Course work from the following
GEOG 360 – Introduction to Remote Sensing (3)
GEOG 391 – Internship (1-6) J(Methods and Techniques
↓
Natural Environmental Systems
Course work from the following
GEOG 302 – Soil Science (4)
GEOG 324X – Women in Science (3)
GEOG 360 – Introduction to Remote Sensing (3)
GEOG 368 – Climate Change: Science, Impacts, and Mitigation (3)

Emphasis 2: Geomatics (B.S.)
Requirements in Department (41)
Course work from the following (9)
GEOG 360 – Introduction to Remote Sensing (3)
GEOG 391 – Internship (1-6) M. Geomatics/Surveying

Major in Meteorology (B.S.)
Requirements in Department (35)
GEOG 105 – Introduction to the Atmosphere (3)
MET 300 – Meteorology (4)
MET 320 – Synoptic Meteorology (3)
MET 360 – Radar Meteorology (3)
OR GEOG 360 – Introduction to Remote Sensing (3)
OR GEOG 460 – Remote Sensing of the Environment (3)

Course work from the following (9-6)
GEOG 370 – Regional Climatology (3)
GEOG 408 – Tropical Environmental Hazards (3)
GEOG 460 – Remote Sensing of the Environment (3)
GEOG 461 – Applied Statistics in Geographic Research (3)

Rationale: Update curriculum with course deletion, new courses, and changes based on external (American Meteorological Society) standards.

Notification: This program is exclusive to the Department of Geography. Notification is not required for this change.
Course work from the following with consent of adviser (6)
GEOG 360 – Introduction to Remote Sensing (3)
GEOG 391J – Internship: Methods and Techniques (1-6)

Rationale: Update curriculum with new course.

Notification: Not required for this change.

Other Catalog Change 2014-15 Graduate Catalog

Certificate of Graduate Study

Geographic Information Analysis (16-18)
Course work from the following (16-18)
GEOG 532 – Geography of Health (3)
GEOG 554 – Fundamentals of Remote Sensing (3)
GEOG 556 – Fundamentals of Mapping (3)
GEOG 568 – Workshop in GIS (3)
GEOG 570 – Web Mapping (3)
GEOG 593 – Computer Methods and Modeling (1-3)

Rationale: Update curriculum description with new courses.

Notification: Not required for this change.

Department of Psychology

New Course 2014-15 Undergraduate Catalog

CIP Code: 42.0101

PSYC 480. PSYCHOLOGY OF STRESS (3). Examines the concept of stress from the physiological and psychological perspectives. The class will review and discuss empirical research and theoretical models that have been proposed relating to stress and its effects on behavior. Prerequisites are PSYC 102 and PSYC 300 or consent of instructor.

Rationale: This course will address an emerging research area in neuropsychology and it will provide more advanced study for undergraduate students planning to seek careers or graduate study in neuroscience or health related fields.
Non-Duplication: The School of Family, Consumer and Nutrition Sciences and the Department of Leadership, Educational Psychology and Foundations were notified with regard to this course and have indicated there is no significant duplication with any of their current course offerings.

New Course 2014-15 Graduate Catalog

CIP Code: 42.0101

PSYC 623. OCCUPATIONAL HEALTH PSYCHOLOGY (3). Contributions of psychological theory, research, and practice in the promotion of employee wellness and prevention of negative health-related consequences in the workplace. Construct measurement and research methodology in the areas of occupational stress theory, organizational stressors, interpersonal stressors, the work-nonwork interface, psychological/physiological strain, strain and organizational behavior, recovery and sleep, individual differences and coping, and workplace stress interventions. PRQ: PSYC 616 and graduate standing in psychology or consent of department.

Rationale: Industrial/organizational (I/O) psychology is a discipline that applies psychological theory and research to improve individual and organizational effectiveness. One fast growing sub-discipline of I/O psychology is occupational health psychology, which takes an interdisciplinary approach to the study of employee health and stress in organizations. The knowledge of health and stress in organizations is a key competency for doctoral training in I/O psychology, as noted in the most recent version of the American Psychological Associations Guidelines for Education and Training (1999; http://www.siop.org/PhDGuidelines98.aspx). Current courses in the psychology department and other departments do not currently provide an appropriate breadth of content or methodological training in occupational health psychology topics.

Non-Duplication: The Department of Leadership, Educational Psychology and Foundations, the School of Nursing and Health Sciences, and the Department of Management were notified with regard to this course and have indicated there is no significant duplication with any of their current course offerings.

New Course 2014-15 Graduate Catalog

CIP Code: 42.0101

PSYC 626. THE SELF FROM THE PERSPECTIVE OF SOCIAL PSYCHOLOGY (3). A contemporary view of social psychology’s theory and research into "The Self". Possible topics may include, but are not limited to: projected and reflected appraisal; social comparison theory; the sociometer approach to self-esteem; the content and structure of self-knowledge; remembered selves, possible selves, and feared selves; information processing, autobiographical memory and semantic memory; the self motives of enhancement, protection, and improvement; self presentation and impression management; and the self as it might be influenced by group and culture. PRQ: PSYC 620 and graduate standing in psychology or consent of department.

Rationale: The study of the self is a huge undertaking, and its study is a central theme in psychology. Many different sub-areas have contributed to the study of the self, but social psychology has played a pivotal role. Deep and detailed knowledge of the social psychology theory and research in this sub-area is crucial knowledge for any well-educated social psychologist. For example, at least one chapter on the
topic of “The Self” is standard in any introductory-level textbook in social psychology, so the odds are high that a graduate of our program will have to be teaching self-related topics if they move into faculty positions.

Non-Duplication: The Department of Leadership, Educational Psychology and Foundations, the School of Nursing and Health Sciences, and the Department of Management were notified with regard to this course and have indicated there is no significant duplication with any of their current course offerings.

New Course 2014-15 Graduate Catalog

CIP Code: 42.0101

PSYC 631. MOTIVATION FROM THE PERSPECTIVE OF SOCIAL PSYCHOLOGY (3). Social psychology theory and research offer insight into the mainsprings of human behavior. Key topics in this area include internal and external sources of motivation, approach and avoidance tendencies, goal setting, deliberate and automatic goal pursuit, self-regulation, and achievement strivings. PRQ: PSYC 620 and graduate standing in psychology; or consent of department.

Rationale: Human motivation is critical for both basic and applied science because it endeavors to explain why human behavior occurs, the forms it takes, and the conditions under which it emerges. Doctoral candidates in psychology need a firm grasp of these fundamental explanatory variables because it gives them background to apply to research and to practical settings (e.g., employment, educational, clinical). Doctoral students in psychology (and the social psychology emphasis especially in particular), need a firm grasp of these fundamental explanatory variables at a general level because it gives them background to apply basic motivation processes to both research and applied settings. Previously, this course has been taught as a special “topics” course, but it is important that the program offer it as a regular part of its graduate curriculum. Current courses in the psychology department and other departments do not currently provide an appropriate breadth of content in the science of human motivation.

NOTE: The department of Leadership, Educational Psychology and Foundations offers the course EPS 718: Research Seminar in Motivation and Education, which has the following catalog description: “Critical analysis of current motivation theories and research in educational settings. Emphasis on issues of research design and interpretation for educators.” This course, with its focus on educational contexts, does not offer the breadth that the proposed course offers, and it would not be a suitable course for doctoral students in our social psychology emphasis seeking academic positions in departments of psychology (although EPS 718 will serve as a useful adjunct for those students seeking greater emphasis in educational issues).

Non-Duplication: The Department of Leadership, Educational Psychology and Foundations, the School of Nursing and Health Sciences, and the Department of Management were notified with regard to this course and have indicated there is no significant duplication with any of their current course offerings.

Course Revision 2014-15 Undergraduate Catalog

PSYC 219. MENTAL HYGIENE: POSITIVE PSYCHOLOGY (3). Analysis of behavioral and environmental factors promoting optimal mental health. Development of skills knowledge for
identifying symptoms of maladjustment cultivating well-being. Consideration of scientific evidence for methods designed to support behavioral, cognitive, and emotional control growth. Cannot be applied towards a major in psychology but can be applied for a minor. Not used in major GPA calculation for psychology majors.

Rationale: The initial name and description of PSYC 219, as “Mental Hygiene” reflects an outdated view of psychology, as narrowly focused on the problems that humans encounter that hamper personal adjustment. We wish to modernize the name and description of this course in order to reflect the more contemporary perspective within the field, with an emphasis on psychological wellness and growth.

Notification: The Department of Kinesiology and School of Nursing and Health Sciences were notified of this change via email on October 8, 2014.

Other Catalog Change 2014-15 Graduate Catalog

Master of Arts in Psychology

Course Requirements

PSYC 655 – Behavioral Development (3)

PSYC 604 and PSYC 606 must be completed during the first calendar year and the remaining course requirements must be completed by the end of the second calendar year.

Rationale: The requirement that “remaining course requirements” be completed during the second calendar year is viewed as anachronistic. Allowing greater flexibility as to when these courses are completed in the program facilitates student progress on research and avoids the frequent necessity to seek exemptions from this rule from the Graduate School.

Notification: This program is exclusive to the Department of Psychology. Notification is not required for this change.

Other Catalog Change 2014-15 Undergraduate Catalog

Department of Kinesiology and Physical Education (KNDN, KNPE, LESM)

Major in Kinesiology (B.S.)

Requirements outside Department (17-18)

BIOS 103 – General Biology (3)

PSYC 102 – Introduction to Psychology (3), OR PSYC 219 – Mental Hygiene Positive Psychology (3)

Total Hours for a Major in Kinesiology: 70-71

Rationale: Change in course title.
Notification: The College of Education and Department of Kinesiology were notified of this change via email on October 7, 2014.

Other Catalog Change Page 181, 2014-15 Undergraduate Catalog

School of Nursing and Health Studies (NURS, PHHE)
↓
Major in Health Education (B.S.Ed.)
↓
Requirements outside School (37-41)
BIOS 311 – Functional Human Anatomy (4)
   OR BIOS 357 – Human Anatomy and Physiology (5)
↓
PSYC 225 – Lifespan Development: Childhood Through Adulthood (3)
   OR PSYC 219 – Mental Hygiene Positive Psychology (3)
TLCI 422 – Middle School Organization and Instruction (3)
↓

Rationale: Change in course title.

Notification: The College of Health and Human Sciences and School of Nursing and Health Sciences were notified of this change via email on October 7, 2014.