Agenda for the April 27, 2017 CAA Meeting

Items Approved:	17-91, Psychology (Revised Major) 17-93, Exercise Science (New major to replace the current "B.S. in Kinesiology and Sports Studies: Exercise Science Concentration") 17-94, Sport Management (New major to replace the current "B.S. in Kinesiology and Sport Studies: Sport Management Concentration") 17-95R, EGT 1303, Engineering Technology Applications (New Course) 17-96R, EGT 1323 (AET 1323), Computers for Engineering Technology (Revised Course) 17-97R, EGT 2004G, Materials Science and Evaluation (New Course) 17-98R, EGT 2324 (AET 2324), Electricity and Electronic Controls (Revised Course) 17-99R, EGT 2424, Manufacturing and Fabrication Processes (New Course) 17-100R, EGT 2773, Safety for Engineering Technology (New Course) 17-101R, EGT 3663, CNC and Rapid Prototyping (New Course) 17-102R, EGT 3753, Biometrics in Engineering Technology (New Course) 17-103R, EGT 3763, Automation and Data Capture (New Course) 17-104R, EGT 3803, Engineering Technology Ergonomics (New Course) 17-105R, EGT 4503, Engineering Technology Cost Analysis (New Course) 17-106R, EGT 4704, Engineering Technology Capstone (New Course) 17-107R, Engineering Technology (New Major) 17-108R, CMG 1000, Introduction to Construction Management (New Course) 17-109R, CMG 2013, Soil, Concrete and Paving Testing (New Course) 17-110R, CMG 2223 (AET 2223), Print Reading and Introduction to Building Information Management (BIM) (Revised Course) 17-111R, CMG 3023, Formwork and Building Processes (New Course) 17-112R, CMG 4013, Virtual Project Design (New Course) 17-113R, CMG 4023, Construction Risk Management (New Course) 17-114R, CMG 4033, Heavy Construction Planning (New Course) 17-115R, CMG 4243 (AET 4243), Construction Project Management Capstone (Revised Course) 17-116R, CMG 4413, Advanced Construction Safety (New Course) 17-117R, Construction Management (New Major)
Items Pending:	17-118, ART 1020, Drawing Studio Exploration, an introduction to drawing methods (New Course) 17-119, ART 1021, Printmaking Essentials: Methods and Media in Monotype (New Course) 17-120, ART 1022, Comic Book Drawing Exploration, an introduction to drawing comics (New Course) 17-121, ART 1023, Ceramic Studio Exploration, an introduction to wheel throwing (New Course) 17-122, Change the name of EIU's "Department or Art" to the "Department of Art & Design"
Ongoing:	Multi-year plan regarding the University Learning Goals (For details concerning the plan, see agenda Item 13-83, CAA Learning Goals Committee's Recommendations & Resolution, which was approved by CAA at its 4/25/13 meeting)

Council on Academic Affairs
Minutes
April 27, 2017

The April 20, 2017 meeting of the Council on Academic Affairs was held at 2:00 p.m. in the Room 4440 at Booth Library.

Members Present: Mr. Aydt, Dr. Aylesworth, Dr. Bruehler, Dr. Kronenfeld, Dr. Paulson, Dr. Rhoads, Dr. Ruholl, Dr. Throneburg, Dr. Wilkinson, Dr. Yordanov, and Mr. Young.

Members Absent: None.

Staff Present: Provost Lord and Ms. Fopay.

Guests Present: Dr. John Cabage, School of Technology; Dr. Austin Cheney, School of Technology; Dr. Mark Kattenbraker, Kinesiology & Sports Studies; Interim Dean Klarup, College of Sciences; Ms. Mallory Kutnick, *Daily Eastern News*; Dr. John Mace, Psychology; Dr. Isaac Slaven, School of Technology, and Ms. Bonnie Wilson, College of Education & Professional Studies.

I. Approval of the April 20, 2017 CAA Meeting Minutes.

Dr. Ruholl distributed copies of email communications from Ms. Amy Lynch, Registrar, and Dr. Jeff Cross, Interim Dean of the School of Continuing Education. In her communication, Ms. Lynch had expressed concerns about the revised executive action for the BGS 3001 course which had been on last week's CAA agenda from Interim Dean Cross. She requested that a caveat be added to the BGS 3001 course description indicating the course would only be open to students in the BGS Degree Program, Organizational & Professional Development majors, and Nursing majors. Interim Dean Cross wrote in support of her request. The council members didn't express concerns about the addition of the information

to the course description. However, it was unclear from the communications as to whether "permission of the instructor" should remain as the course prerequisite for the course. Therefore, the council requested clarification.

Note: After the meeting, Interim Dean Cross confirmed that the language "permission of instructor" should remain in the course description.

The corrected catalog copy appears below.

> **BGS 3001 - ~~BGS~~ Prior Learning Portfolio. (3-0-3)** A writing intensive course focusing on the process of analyzing and documenting a prior learning experience in portfolio form. Emphasis is on analysis of prior learning, information access as it pertains to prior learning assessment and further development of writing skills. WI Prerequisites & Notes: ~~Admission to the BGS Degree Program and~~ **P**ermission of the instructor. **This course is open only to students in the BGS Degree Program, Organizational & Professional Development majors, and Nursing majors.** Credits: 3

Dr. Rhoads moved and Dr. Paulson seconded the motion to approve the minutes. The minutes of April 20, 2017, were approved as amended above.

II. Communications:

a. College Curriculum Committee Minutes:

1. Minutes of the April 21, 2017 College of Sciences Curriculum Committee meeting.

b. Executive Actions:

1. April 13, 2017 memorandum from Dean Izadi, LCBAS, requesting executive action to add the online delivery mode to EIU 4151G.
2. April 19, 2017 memorandum from Dean Izadi, LCBAS, requesting executive action to delete FCS 2190 from the catalog.
3. April 19, 2017 memorandum from Associate Dean Mitchell, CAH, requesting executive action to remove the prerequisites from CMN 4770.
4. April 19, 2017 memorandum from Associate Dean Mitchell, CAH, requesting executive action to delete PHI 3520 from the catalog.
5. April 19, 2017 memorandum from Associate Dean Mitchell, CAH, requesting executive action to revise the course titles and prerequisites for SOS 2400 and 3400.
6. April 19, 2017 memorandum from Associate Dean Mitchell, CAH, requesting executive action to add ANT 3612 and PHI 3012 to the list of electives in the Women's Studies Minor.
7. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to change the course prerequisites for many Biological Sciences courses.
8. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to remove BIO 1100, 1200G, 1300G, 2200, and 3800 from the catalog.
9. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to add the online delivery mode to CDS 2000, 2100, 2500, 2800, 3100, 3200, 3500, 3700, 4300, 4350, 4600, 4810, and 4815.
10. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to update the list of Clinical Laboratory Science major introductory biology courses to reflect the change in the introductory biology course sequence replacing BIO 1100 and BIO 1300G with BIO 1500 and BIO 1550G.
11. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to delete ECN 3833, 4505, 4511, 4520, and 4813 from the catalog.
12. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to add the online delivery mode and a course restriction to EIU 4101G and EIU 4190G.
13. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to revise the prerequisite for MAT 2270.

14. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to add the online delivery mode for MAT 2110G and 1160G.
15. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to remove MAT 1310, 1340, 4800, 4810D, and 4810E from the catalog.
16. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to delete the online restriction to off-campus students for PHY 1052G and 1053G.
17. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to remove PHY 3010A, 3010B, and 3090.
18. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to revise the Pre-Health Professions option to change the introductory biology course sequence replacing BIO 1300G and BIO 1500.
19. April 21, 2017 memorandum from Dean Klarup, COS, requesting executive action to revise the course titles and prerequisites for SOS 2400 and 3400.
    Dr. Ruholl clarified that this request was the same as the one submitted by Interim Dean Mitchell (See #5 above.)
20. April 24, 2017 memorandum from Dean Jackman, CEPS, requesting executive action to change the course prerequisites for HST 2900, 3560, 3700, and 4770.
21. April 24, 2017 memorandum from Dean Jackman, CEPS, requesting executive action to delete the following courses from the catalog: ELE 2000, 2320, 2321, 3000, 4000, ELE 40001, 40002, 4776, MLE 4000, MLE 40002, SED 3000, 3100, 4000, EDF 4450, HST 3196, HST 3199, REC 3985, EIU 4103G, KSS 2103, 2106, 2230, 2380, 3550, 4761, 4880, 4980B, and 4980T.
22. April 24, 2017 memorandum from Dean Izadi, LCBAS, requesting executive action to revise the course title, prerequisite, semester offered, and/or course description for several Applied Engineering & Technology (AET) courses.
    Dr. Ruholl requested a minor correction to #20 on the executive action request. The prefix for EGT 1303 listed in the prerequisites for AET 4943 should be AET instead of EGT.

    AET 4943 - Manufacturing Management. (3-0-3) F, S. Survey of technical management areas in a manufacturing operation. This course will include but not be limited to a study of production control methods, plant layout, scheduling, inventory control, and other phases of planning, organizing, and controlling a manufacturing operation. Prerequisites & Notes: ~~**EGT 1303,**~~ **AET 1303, EGT 2424, and AET 4753.** WI

III. Items Added to the Agenda

1. 17-118, ART 1020, Drawing Studio Exploration, an introduction to drawing methods (New Course)
2. 17-119, ART 1021, Printmaking Essentials: Methods and Media in Monotype (New Course)
3. 17-120, ART 1022, Comic Book Drawing Exploration, an introduction to drawing comics (New Course)
4. 17-121, ART 1023, Ceramic Studio Exploration, an introduction to wheel throwing (New Course)
5. 17-122, Change the name of EIU's "Department or Art" to the "Department of Art & Design"

Dr. Kronenfeld moved and Dr. Yordanov seconded the motion to add these items to the agenda.

IV. Items Acted Upon:

1. 17-91, Psychology (Revised Major).

Dr. Mace presented the proposal. There were no questions.

Dr. Rhoads moved and Dr. Throneburg seconded the motion to approve the proposal. The motion passed unanimously.

The proposal **(See Attachment A)** was approved, effective Fall 2017.

2. **17-93, Exercise Science (New major to replace the current "B.S. in Kinesiology and Sports Studies: Exercise Science Concentration").**
   Dr. Kattenbraker presented the proposal and answered questions. He pointed out a minor revision to the proposal.

   Dr. Rhoads moved and Mr. Young seconded the motion to approve the proposal. The motion passed unanimously.

   The proposal **(See Attachment B)**, with revision, was approved, effective Fall 2018*, pending BOT and IBHE approvals.*

3. **17-94, Sport Management (New major to replace the current "B.S. in Kinesiology and Sport Studies: Sport Management Concentration").**
   Dr. Kattenbraker presented the proposal and answered questions of the council.

   Dr. Rhoads moved and Mr. Young seconded the motion to approve the proposal. The motion passed unanimously.

   The proposal **(See Attachment C)** was approved, effective Fall 2018*, pending BOT and IBHE approvals.*

NOTE: At last week's CAA meeting the council tabled agenda items 17-95 through 17-107. The reason was because concerns had been expressed by Dr. Doug Klarup, Interim Dean of the College of Sciences, and some department chairs from departments falling under the College of Sciences. Subsequently, those individuals met with those in the School of Technology to discuss the items. The proposals were revised and resubmitted to the council for action at the meeting today. Dr. Slaven gave an overview of all of the proposals and then the council acted upon each one individually.

4. **17-95R, EGT 1303, Engineering Technology Applications (New Course).**
   Dr. Slaven presented the proposal and answered questions of the council.

   Dr. Yordanov moved and Mr. Aydt seconded the motion to approve the proposal. The motion passed unanimously.

   The proposal was approved, effective Fall 2018.

   EGT 1303. Engineering Technology Applications. (2-2-3) On Demand. Engineering Technology Apps. This course exposes students to engineering principles through an application-oriented, hands-on introduction to engineering technology problem solving. Course topics include measuring, manipulation of engineering technology equations, systems of equations and matrices, basic statistics, and introductory vector analysis. Prerequisite: A grade of "C" or better in MAT 1270 or Math ACT of 20 or above or equivalent SAT score.

5. **17-96R, EGT 1323 (AET 1323), Computers for Engineering Technology (Revised Course).**
   Dr. Slaven presented the proposal. There were no questions.

   The motion passed unanimously.

   The proposal was approved, effective Fall 2018.

   Note: This course will delete AET 1323.

   EGT 1323. Computers for Engineering Technology. (2-2-3) On Demand. Computers for Engineering Tech. This course prepares students for most effectively using computers for engineering technology applications.

6. **17-97R, EGT 2004G, Materials Science and Evaluation (New Course).**
   Dr. Slaven presented the proposal. There were no questions.

   Dr. Aylesworth moved and Dr. Kronenfeld seconded the motion to approve the proposal. The motion passed unanimously.

   The proposal was approved, effective Spring 2019, *pending course fee approval*.

   Note: This course will be placed in the Scientific Awareness segment of General Education. In addition, it will delete AET 1263, AET 2200G, and AET 4002.

   EGT 2004G. Materials Science and Evaluation. (3-2-4) On Demand. Materials Science and Eval. This course provides a broad introductory study of the basic characteristics of natural and synthetic materials, including metals, polymers, ceramics, and composites. This course places particular emphasis on the physical, mechanical, and chemical properties of materials, as well as their realized and potential applications. Course lectures and discussions will be enhanced by laboratory experiences where students will evaluate properties for various materials through mechanical testing, chemical and heat treatments, and microscopic examination.

Dr. Rhoads motioned and Dr. Throneburg seconded the motion to approve the remaining proposals. Voting took place later for each item.

7. **17-98R, EGT 2324 (AET 2324), Electricity and Electronic Controls (Revised Course).**
   Dr. Slaven presented the proposal. There were no questions.

   The motion passed unanimously.

   The proposal was approved, effective Fall 2018, *pending course fee approval.*

   Note: This course will delete AET 2324.

   EGT 2324. Electricity and Electronic Controls. (3-3-4) On Demand. Electricity/Electronic Control. This course introduces students to electrical theories through practice. Students will examine multiple control mechanisms to most effectively utilize electricity and electronics with the use of sensors, switching, microcontrollers, and programmable logic controllers. Prerequisite: A grade of “C” or better in AET 1323 or EGT 1323.

8. **17-99R, EGT 2424, Manufacturing and Fabrication Processes (New Course).**
   Dr. Slaven presented the proposal. There were no questions.

   The motion passed unanimously.

   The proposal was approved, effective Spring 2019, *pending course fee approval.*

   Note: This course will delete AET 3143 and AET 3113.

   EGT 2424. Manufacturing and Fabrication Processes. (2-4-4) S. Mfg./Fab. Processes. Study of processes involved in transforming primary materials into manufactured and fabricated products through casting, molding, turning, drilling, shaping, milling, grinding, forming, conditioning, fastening and finishing processes. Prerequisite: A grade of “C” or better in AET 1263 or EGT 2004G.

9. 17-100R, EGT 2773, Safety for Engineering Technology (New Course).
Dr. Slaven presented the proposal. There were no questions.

The motion passed unanimously.

The proposal was approved, effective Fall 2019, *pending course fee approval.*

Note: This course will delete AET 4773.

> **EGT 2773. Safety for Engineering Technology. (3-0-3) On Demand. Safety for Engineering Tech.** This course prepares engineering technology students for a career in the engineering technology workforce with an awareness of hazards in the workplace and techniques for managing them. Prerequisite: A grade of "C" or better in AET 1413.

10. 17-101R, EGT 3663, CNC and Rapid Prototyping (New Course).
Dr. Slaven presented the proposal and answered questions of the council. The council requested revisions to the proposal.

The motion passed unanimously.

The proposal was approved, with revisions, effective Spring 2019, *pending course fee approval.*

Note: This course will delete AET 3203 and AET 4763.

> **EGT 3663. CNC and Rapid Prototyping. (2-2-3) On Demand.** Introduction to subtractive and additive manufacturing processes focusing on Computer Numerical Control Technology and Rapid Prototyping Technology. This course includes a study of engineering design, product development processes, design for manufacturing, and reverse engineering technology. Prerequisite: A grade of "C" or better in AET 3063. This course is restricted to Engineering Technology majors.

11. 17-102R, EGT 3753, Biometrics in Engineering Technology (New Course).
Dr. Slaven presented the proposal and answered questions of the council. The council requested revisions to the proposal.

The motion passed unanimously.

The proposal, with revisions, was approved, effective Fall 2018, *pending course fee approval.*

> **EGT 3753. Biometrics in Engineering Technology. (2-2-3) On Demand. Biometrics in EGT.** A study on the fundamentals of biometrics and its technological applications including identification, verification, surveillance, and security. Prerequisite: A grade of "C" or better in AET 2324 or EGT 2324. This course is restricted to Engineering Technology and Computer Information Technology majors.

12. 17-103R, EGT 3763, Automation and Data Capture (New Course).
Dr. Slaven presented the proposal. There were no questions.

The motion passed unanimously.

The proposal was approved, effective Fall 2018, *pending course fee approval.*

> **EGT 3763. Automation and Data Capture. (2-2-3) On Demand.** This course allows students to develop automated systems for sorting, picking, and other distribution logistic operations using programmable logic controllers, micro-controllers, barcoding, and radio-frequency identification (RFID) to coincide with databases and inventory management. Prerequisite: (AET 2324 or EGT 2324) and AET 3703.

13. 17-104R, EGT 3803, Engineering Technology Ergonomics (New Course).
Dr. Slaven presented the proposal. There were no questions.

The motion passed unanimously.

The proposal was approved, effective Fall 2018.

> **EGT 3803. Engineering Technology Ergonomics. (3-0-3) On Demand. Engineering Tech Ergonomics.** This course prepares students to design jobs, tasks, and workstations that will prevent cumulative traumatic disorders, repetitive motion diseases, circadian disruption, and workplace stress. Prerequisite: A grade of "C" or better in AET 4773 or EGT 2773.

14. 17-105R, EGT 4503, Engineering Technology Cost Analysis (New Course).
Dr. Slaven presented the proposal and answered questions of the council. The council requested revisions to the proposal.

The motion passed unanimously.

The proposal, with revisions, was approved, effective Spring 2019.

> **EGT 4503. Engineering Technology Cost Analysis. (3-0-3) On Demand. Engineering Tech Cost Analysis.** Engineering Technology Cost Analysis examines engineering costs, machine depreciation, and return on investment as it affects the engineering workplace. Prerequisites: A grade of "C" or better in AET 3414 and (MAT 1271 or MAT 1330).

15. 17-106R, EGT 4704, Engineering Technology Capstone (New Course).
Dr. Slaven presented the proposal. There were no questions.

The motion passed unanimously.

The proposal was approved, effective Spring 2020.

> **EGT 4704. Engineering Technology Capstone. (2-4-4) ET Capstone.** Comprehensive applications of the knowledge and skills learned in a student's degree program. Focus on the integration and synthesis of content through critical thinking, project development, presentation, and professional practice. Prerequisite: Senior standing and a grade of "C" or better in AET 3414 and AET 4943. This course is restricted to Engineering Technology majors.

16. 17-107R, Engineering Technology (New Major).
Dr. Slaven presented the proposal and answered questions of the council. The council requested revisions to the proposal.

The motion passed unanimously.

The proposal **(See Attachment D)**, with revisions, was approved, effective Fall 2018, *pending BOT and IBHE approvals.*

17. **17-108R, CMG 1000, Introduction to Construction Management (New Course).**
Dr. Cabage presented the proposal and answered questions of the council.

The motion passed unanimously.

The proposal was approved, effective Spring 2018*, pending course fee approval.*

CMG 1000. Introduction to Construction Management. (1-0-1) On Demand. Intro to Const. Mgmt. A survey of the construction industry. Includes the overall construction process from initial concept through startup of the complete facility, career opportunities in the construction industry, and an introduction to the materials and building systems used in construction.

18. **17-109R, CMG 2013, Soil, Concrete and Paving Testing (New Course).**
Dr. Cabage presented the proposal and answered questions of the council.

Mr. Young left the meeting at 2:50 p.m. during the discussion.

The motion passed unanimously.

The proposal was approved, effective Spring 2018*, pending course fee approval.*

CMG 2013. Soil, Concrete, and Paving Testing. (2-2-3) On Demand. Soil, Conc, and Paving Testing. A study of the properties of soils and other materials in relation to construction. The students will be introduced to soil testing and classification, subsurface soil investigation, soil compaction, strength of soil, soil consolidation and related structure settlement, earth pressure on retaining structures, and stability analysis of slopes. An overview of concrete and asphalt construction including material composition, behavior and testing. A laboratory reinforces the principles presented in lecture. Prerequisite: A grade of "C" or better in EGT 2004G. This course is restricted to Construction Management majors. WA

19. **17-110R, CMG 2223 (AET 2223), Print Reading and Introduction to Building Information Management (BIM) (Revised Course).**
Dr. Cabage presented the proposal and answered questions of the council. The council requested revisions to the proposal.

The motion passed unanimously.

The proposal, with revisions, was approved, effective Spring 2018*, pending course fee approval.*

Note: This course will delete AET 3223.

CMG 2223. Print Reading and Introduction to Building Information Management (BIM). (2-2-3) Print Reading and Intro to BIM. This course will prepare students for the construction industry by teaching them to read, prepare, and plot prints from 2D drawings and 3D models. Print reading will be covered then the students will learn the basics of 3D modeling. The student will design and plot his/her own set of plans. Equivalent course: AET 3223. Prerequisites: A grade of "C" or better in AET 2253 and AET 2043. This course is restricted to Construction Management majors.

20. 17-111R, CMG 3023, Formwork and Building Processes (New Course).
Dr. Cabage presented the proposal. There were no questions.

The motion passed unanimously.

The proposal was approved, effective Fall 2018.

> **CMG 3023. Formwork and Building Processes. (3-0-3) On Demand. Formwork and Bldg Processes.** This course provides a clear and thorough presentation of the theory and application of structural analysis as it applies to trusses, beams, and frames. Emphasis is placed on teaching students to both model and analyze a structure. Students are introduced to practical structural design using prismatic wood sections. The student will learn basic structural design techniques by designing wooden concrete formwork, scaffolding, trench shoring, and retaining walls. Prerequisites: A grade of "C" or better in AET 2953 and CMG 2013. This course is restricted to Construction Management majors.

21. 17-112R, CMG 4013, Virtual Project Design (New Course).
Dr. Cabage presented the proposal and answered questions of the council. The council requested revisions to the proposal.

The motion passed unanimously.

The proposal, with revisions, was approved, effective Fall 2018*, pending course fee approval.*

> **CMG 4013. Virtual Project Design. (2-2-3) On Demand.** This is an advanced construction technology course. It incorporates building design, cost estimating, project management, and building information modeling software to develop construction project animations. The animations will be used to communicate the interaction of physical, human, capital, and equipment resources required to manage a construction project from conception to completion. Prerequisites: A grade of "C" or better in AET 2953 and CMG 2013. This course is restricted to Construction Management majors.

22. 17-113R, CMG 4023, Construction Risk Management (New Course).
Dr. Cabage presented the proposal. There were no questions.

The motion passed unanimously.

The proposal was approved, effective Spring 2018.

> **CMG 4023. Construction Risk Management. (3-0-3) On Demand.** Contract law, business policy and risk management aspects of construction companies are studied. Included are ethics, agency and public relations, business ownership types, contract terms and conditions, specifications, government contracting, change orders, and conflict resolution. In addition, this course will entail a study of the law of enforceable agreements, contract law, law of delegated authority, agency law, as they apply to the construction industry and company management. It will also include a review of case law applications and a study of administrative documents and processes that relate to company management. Prerequisites: A grade of "C" or better in BUS 2750 and (either BUS 3010 or OPD 4835). This course is restricted to Construction Management majors.

23. 17-114R, CMG 4033, Heavy Construction Planning (New Course).
Dr. Cabage presented the proposal and answered questions of the council. The council requested revisions to the proposal.

The motion passed unanimously.

The proposal, with revisions, was approved, effective Spring 2018*, pending course fee approval.*

> **CMG 4033. Heavy Construction Planning. (2-2-3) On Demand.** In this course, students will learn to evaluate construction jobsite management and leadership issues. Students will develop jobsite layout plans and develop logistical plans for a construction site. Students will utilize material handling principles and their application in preparing a site utilization plan. The selection and use of construction equipment is emphasized. On-site activities such as project recordkeeping and technology will also be introduced. Leadership strategies and tactics will also be evaluated in the construction setting. Computerized site logistics animations will be developed and presented by each student as part of this course. Prerequisites: A grade of "C" or better in AET 4223 and CMG 3603. This course is restricted to Construction Management majors.

24. 17-115R, CMG 4243 (AET 4243), Construction Project Management Capstone (Revised Course).
Dr. Cabage presented the proposal and answered questions of the council. The council requested revisions to the proposal.

The motion passed unanimously.

The proposal, with revisions, was approved, effective Spring 2019.

Note: This course will delete AET 4243.

> **CMG 4243. Construction Project Management Capstone. (1-3-3) On Demand. Const Project Mgmt Capstone.** This class emphasizes the design-build process and requires a team of students to utilize their collegiate work experiences, respective design specialty courses, and construction management expertise. They will design a building and plan for its construction by using structural design, estimating, scheduling, budgeting, and construction project management techniques. Prerequisites: Senior Standing, AET 4223, CMG 3023, and AET 3414. This course is restricted to Construction Management majors.

25. 17-116R, CMG 4413, Advanced Construction Safety (New Course).
Dr. Cabage presented the proposal and answered questions of the council. The council requested revisions to the proposal.

The motion passed unanimously.

The proposal was approved, effective Fall 2018*, pending course fee approval.*

> **CMG 4413. Advanced Construction Safety. (3-0-3) On Demand.** Workers and supervisors in the construction industry are faced with highly hazardous workplaces. This course focuses on what is called the "OSHA Focus Four" to prepare students to address construction safety issues.

26. 17-117R, Construction Management (New Major)
Dr. Cabage presented the proposal and answered questions of the council. The council requested revisions to the proposal.

The motion passed unanimously.

The proposal **(See Attachment E)**, with revisions, was approved, effective Fall 2018, *pending BOT and IBHE approvals.*

V. Committee Reports:
None.

VI. Pending:
1. 17-118, ART 1020, Drawing Studio Exploration, an introduction to drawing methods (New Course)
2. 17-119, ART 1021, Printmaking Essentials: Methods and Media in Monotype (New Course)
3. 17-120, ART 1022, Comic Book Drawing Exploration, an introduction to drawing comics (New Course)
4. 17-121, ART 1023, Ceramic Studio Exploration, an introduction to wheel throwing (New Course)
5. 17-122, Change the name of EIU's "Department or Art" to the "Department of Art & Design"

VII. Ongoing:
1. Multi-year plan regarding the University Learning Goals (For details concerning the plan, see agenda Item 13-83, CAA Learning Goals Committee's Recommendations & Resolution, which was approved by CAA at its 4/25/13 Meeting)

VIII. Meeting Adjournment:
1. Dr. Rhoads and Mr. Aydt seconded the motion to adjourn the meeting. The motion was approved by acclamation.

   The meeting adjourned 3:32 p.m.

The next meeting will be held at 2:00 p.m. on Thursday, April 27, 2017.

–Minutes prepared by Ms. Janet Fopay, Recording Secretary.

The current agenda and all CAA council minutes are available on the Web at http://www.eiu.edu/~eiucaa/.
In addition, an electronic course library is available at http://www.eiu.edu/~eiucaa/elibrary/.

************ ANNOUNCEMENT OF NEXT MEETING ************
May 4, 2017
Room 4440, Booth Library @ 10:15 a.m.

Agenda:
1. 17-118, ART 1020, Drawing Studio Exploration, an introduction to drawing methods (New Course)
2. 17-119, ART 1021, Printmaking Essentials: Methods and Media in Monotype (New Course)
3. 17-120, ART 1022, Comic Book Drawing Exploration, an introduction to drawing comics (New Course)
4. 17-121, ART 1023, Ceramic Studio Exploration, an introduction to wheel throwing (New Course)
5. 17-122, Change the name of EIU's "Department or Art" to the "Department of Art & Design"

Approved Executive Actions:

BAS

Effective Spring 2018

1. Update the course title, description, and prerequisite for CTE 3400.

   CTE 3400 - Methods of Teaching Career and Technical Education for Middle and Secondary Education. **(3-0-3) F, S.** This course covers methods of planning, instructional design, learning (including high-order, critical thinking skills), classroom management, recognizing the individual, and media and other instructional materials **for middle and secondary education**. WI Prerequisites & Notes: ~~CTE 2000 and SED 3100 or 3330.~~ **Grade of "C" or better in CTE 2000 (or SED 2000 and CTE 2001) and passing score on Test of Academic Proficiency/ACT or departmental approval.** Credits: 3

2. Amend the course title and description for CTE 3404.

   CTE 3404 - Seminar in Teaching Technology for Middle and Secondary Education. (2-0-2) F, S. A seminar to discuss professionalism, curriculum, resources, and legislation as it relates to ~~technology~~ **teaching technology in middle and secondary schools**. Prerequisites & Notes: Co-requisite: CTE 3400. Credits: 2

CAH
Effective Spring 2018

1. Change the prerequisite for MUS 3400.

   MUS 3400 - Methods and Materials of Teaching Instrumental Music. (3-1-4) F, S. Instrumental methods and materials and clinical experiences appropriate for elementary and secondary schools. Peer teaching, public school observation and participation are required. Music Education Majors only. WI Prerequisites & Notes: Admission to Teacher Education, "C" or better in MUS 2155**; and passing score on the TAP, SAT, or ACT as determined by current state requirements.**~~, SED 3330 and EDP 2330.~~ Completion of MUS 1301, 1304, 1308, 1309 encouraged. Credits: 4

2. Revise the prerequisite for MUS 3440.

   MUS 3440 - Methods and Materials of Vocal and General Music. (3-1-4) F, S. A study of the methods and materials necessary for teaching vocal and general music P-12. Students will have experiences teaching music in public schools. This class is for Music Education Majors only. Prerequisites & Notes: Admission to Teacher Education~~;~~, "C" or better in MUS 2155~~;~~**, and passing score on the TAP, SAT, or ACT as determined by current state requirements.** ~~SED 3330 and EDP 2330.~~ WI Credits: 4

3. Revise the course descriptions for MUS 4980A, 4980B, and 4980D.

   MUS 4980A - Workshop in Music I. (Arr.-0-1 to 3) On Demand. Literature, theory, techniques, pedagogy, and/or style in various media. Undergraduate students may earn a maximum of eight semester hours credit of Workshop in Music I, II, III, provided the content is not repeated. Graduate students may enroll for a maximum of ~~four~~ **five** semester hours provided the content is not repeated. Credits: 1 to 3

   MUS 4980B - Workshop in Music II. (Arr.-0-1 to 3) On Demand. Literature, theory, techniques, pedagogy, and/or style in various media. Undergraduate students may earn a maximum of eight semester hours credit of Workshop in Music I, II, III, provided the content is not repeated. Graduate students may enroll for a maximum of ~~four~~ **five** semester hours provided the content is not repeated. Credits: 1 to 3

   MUS 4980D - Workshop in Music III. (Arr.-0-1 to 3) On Demand. Literature, theory, techniques, pedagogy, and/or style in various media. Undergraduate students may earn a maximum of eight semester hours credit of Workshop in Music I, II, III, provided the content is not repeated. Graduate students may enroll for a maximum of ~~four~~ **five** semester hours provided the content is not repeated. ~~A limit of 8 hours for undergraduate students and 4 hours for graduate students may be applied to a major or minor.~~ Credits: 1 to 3

Pending Executive Actions:

BAS
Effective Fall 2017

1. Add the online delivery mode to EIU 4151G.
2. Delete FCS 2190 from the catalog.

BAS
Effective Fall 2018

1. Revise the course title and term offered for AET 1413.

   AET 1413 - ~~Technological Systems.~~ Introduction to Engineering Technology. (3-0-3) F~~, S~~. An introduction to the technological areas of communication, transportation, construction and manufacturing. The course includes study of the evolution and current status of each area as well as their interrelationships. Credits: 3

2. Change the term offered for AET 2043.

   AET 2043 - Computer-Aided Engineering Drawing. (1-4-3) F~~, S~~. Sketching, spatial visualization, computer-aided drawing (CAD) procedures, multiview drawing, dimensioning, tolerancing, threads and fasteners, and descriptive geometry. EGR 941 Prerequisites & Notes: AET 1012 or permission of instructor. Credits: 3

3. Update the course prerequisites and term offered for AET 2953.

   AET 2953 - Statics and Strength of Materials. (3-0-3) F~~-odd-numbered years~~. Study of systems of forces and couples application of mechanics to structural analysis. Topics include resultants, equilibrium of bodies and frames, trusses, moments of inertia, principal stresses and strains, torsional shear and deformation, shear and moment diagrams of beams, indeterminate structures, and elastic columns. Prerequisites & Notes: ~~MAT 1340 or 1441G.~~ **EGT 1303 and EGT 2004G.** Credits: 3

4. Change the course prerequisite and term offered for AET 3103.

   AET 3103 - Robots and Control Systems. (1-4-3) ~~S.~~ On Demand. A study of control systems and programming languages related to robots, programmable controllers, and automated systems used for transportation control. Mechanical, electrical, and fluid control systems used for automated control will be emphasized. Prerequisites & Notes: **EGT 2324.** ~~AET 2324 or permission of instructor.~~ Credits: 3

5. Amend the course prerequisite and term offered for AET 3213.

   AET 3213 - Surveying and Site Planning. (1-4-3) ~~S.~~ F. Principles of construction site measurements and project layouts utilizing surveying instruments. The techniques and calculations applied to the wide variety of housing and commercial construction projects. Prerequisites & Notes: MAT **1330** ~~1310~~ or equivalent. Credits: 3

6. Revise the course prerequisites for AET 3253.

   AET 3253 - Energy Technology. (3-0-3) On Demand. A study of energy sources and energy conversion processes involving electrical, mechanical, fluidic, and other methods. Includes theory of conversion, principles of operation and basic design. Prerequisites & Notes: ~~MAT 1270~~ **EGT 1303** or Math ACT score of 20 or higher. Credits: 3

7. Update the course title and term offered for AET 3414.

   AET 3414 - ~~Selection and Management of Applied Engineering Projects.~~ Engineering Technology Project Management. (4-0-4) F~~, S~~. This course is designed to prepare students to analyze and evaluate the worth of products, systems, structures, and services in relation to their costs; develop and utilize network techniques such as PERT/CPM; schedule activities; develop project budgets; allocate resources; and control progress and costs of technical projects. Prerequisites & Notes: ~~MAT 2120G~~ **EGT 1303** and AET 1323. Credits: 4

8. Change the course title for AET 3453.

   AET 3453 - ~~Alternative and Renewable Energy Systems.~~ Renewable Energy. (3-0-3) On Demand. A study of the technology and systems of alternative and renewable energy resources with emphasis on energy generation and utilization for heating, cooling, electrical generation, industrial processes, transportation, residential and commercial uses. Prerequisites & Notes: AET 3253. Credits: 3

9. Revise the course description for AET 3603.

   AET 3603 - Mechanical Systems in Residential and Commercial Buildings. (3-0-3) S. Study of principles and standards of mechanical, heating, and air-conditioning systems in construction. The course will concentrate on calculation and selection of pipes, ducts, **equipment** ~~equipments~~ for water, sewer, ventilation, heating, and air-conditioning of residential and light commercial buildings. Prerequisites & Notes: AET 3223 and AET 2324. Credits: 3

10. Amend the course prerequisites and term offered for AET 3703.

    AET 3703 - Machine Design. (3-0-3) ~~F,~~ S. Design of basic machine components: shafts, springs, bearings, gears, fasteners, belts, chains, screws, lubrication systems, welded joints, brakes, clutches, and hydraulic/pneumatic systems. Prerequisites & Notes: **EGT 2953 and PHY 1151G/1152G.** ~~PHY 1351G, 1352G or (PHY 1151G, 1152G and MAT 1340 or 1441G).~~ Credits: 3

11. Change the term offered for AET 3833.

    AET 3833 - Sustainable Buildings. (3-0-3) ~~F.~~ S. Study of the principles of environmentally sustainable construction with application of green buildings and standard construction techniques and mechanical systems. Included is the Green Building Rating System LEED (Leadership in Energy and Environmental Design) for benchmarking the design, construction, and operation of high performance green buildings. Prerequisites & Notes: AET 2253 and AET 3603 or approval of instructor. Credits: 3

12. Revise the course description for AET 3920.

    AET 3920 - Independent Study. (Arr.-Arr.-1-5) Independent study related to personal technological career goals in **technology-related fields** ~~industrial technology~~. May be repeated once to maximum of five semester hours of elective credit **for disciplines in the School of Technology** ~~in applied engineering and technology~~. Prerequisites & Notes: Junior standing and permission of the Chair, School of Technology. Credits: 1 to 5

13. Update the course title and prerequisite for AET 4223.

    AET 4223 - Construction Cost Estimating and Takeoffs. (3-0-3) F. Principles of construction and cost estimating of materials, labor, and equipment. Conventional cost estimating methods to be applied to a wide variety of residential and commercial projects. Prerequisites & Notes: **CMG 2223** ~~AET 3223~~. Credits: 3

14. Modify the course description for AET 4275.

    AET 4275 - Industrial Internship. (Arr.-Arr.-1-10) (Credit/No Credit) Employment experience in an area related to the student's **major** ~~option~~. May be repeated once. Prerequisites & Notes: Permission of the Chair, School of Technology, and junior standing. Credits: 1 to 10

15. Change the course description for AET 4275A.

    AET 4275A - Industrial Internship I. (Arr.-Arr.-1-10) (Credit/No Credit) Employment experience in an area related to the student's **major** ~~option~~. May be repeated once. Prerequisites & Notes: Permission of the Chair, School of Technology, and junior standing. Credits: 1 to 10

16. Amend the course description for AET 4444.

    AET 4444 - Honors Independent Study. (Arr.-Arr.-1-4) Independent Study in Applied Engineering and Technology is designed for the individual needs of the student as related to student's career goals **for majors in the School of Technology** ~~in Applied Engineering and Technology~~. May be repeated once to a maximum of four semester hours from Honors Independent Study. May be counted toward the 15 hours of required course work in a technical concentration. Prerequisites & Notes: Admission to the Departmental Honors Program and permission of the Chair, School of Technology. Credits: 1 to 4

17. Revise the course description for AET 4444A.

    AET 4444A - Honors Independent Study I. (Arr.-Arr.-1-4) Independent Study in Applied Engineering and Technology is designed for the individual needs of the student as related to student's career goals **for majors in the School of Technology** ~~in Applied Engineering and Technology~~. May be repeated once to a maximum of four semester hours from Honors Independent Study. May be counted toward the 15 hours of required course work in a technical concentration. Prerequisites & Notes: Admission to the Departmental Honors Program and permission of the Chair, School of Technology. Credits: 1 to 4

18. Modify the course prerequisites for AET 4555.

    AET 4555 - Honors Research. (3-0-3) On Demand. Study of research methods and processes including defining research problems, and collecting and analyzing data. Students will conduct a literature review and prepare a research proposal. Prerequisites & Notes: Admission to the Business, Family and Consumer Sciences, ~~or Applied Engineering and Technology~~ **or Technology** Departmental Honors Program and/or approval of the Business, Family and Consumer Sciences, or Technology Honors Coordinator. Course may not be repeated. Cross listed with BUS 4555 and FCS 4555. Credits: 3

19. Change the course title, term offered, and prerequisites for AET 4843.

    AET 4843 - Statistical Quality and Reliability ~~Assurance~~. (3-0-3) ~~F,~~ S. Principles of total quality control; Shewhart control charts; acceptance sampling; capability and reliability studies. Prerequisites & Notes: ~~AET 1323~~ **EGT 1323** and BUS 2810 or MAT 2250G. Credits: 3

20. Update the course prerequisites for AET 4943.

    AET 4943 - Manufacturing Management. (3-0-3) F, S. Survey of technical management areas in a manufacturing operation. This course will include but not be limited to a study of production control methods, plant layout, scheduling, inventory control, and other phases of planning, organizing, and controlling a manufacturing operation. Prerequisites & Notes: **AET 1303, EGT 2424, and AET 4753.** ~~AET 1323 and MAT 2120G or 1441G.~~ WI Credits: 3

CAH
Effective Fall 2017

1. Delete PHI 3520 from the catalog.
2. Remove the prerequisites from CMN 4770.

CMN 4770 - Television Criticism. (3-0-3) On Demand. Students will utilize a variety of theoretical lenses to critically analyze and evaluate television histories, systems and individual texts. The course includes lectures, discussions, presentations, selected viewings, intensive writing and examinations. A limit of 3 hours may be applied to a major or minor. WI ~~Prerequisites & Notes: Completion of CMN 2010, 2040, 3000, 3030 with a grade of "C" or better.~~ Credits: 3

3. Add ANT 3612 and PHI 3012 to the list of electives in the Women's Studies Minor.

Women's Studies Minor

Electives - Total Semester Hours: 12

- **ANT 3612 - The Body in Anthropological Perspective. Credits: 3**
- ART 3685 - Women in Art. Credits: 3
- CMN 3903 - Rhetoric of Gender and the Body. Credits: 3
- ECN 3873 - Economics of Race and Gender. Credits: 3
- EIU 4108G - The Changing World of Women. Credits: 3
- EIU 4162G - Women's Voices: Women in the Theatre. Credits: 3
- ENG 3903A - Women, Literature, and Language, Pre-1800. Credits: 3
- ENG 3903B - Women, Literature, and Language, Post-1800. Credits: 3
- FCS 2831 - Women in Contemporary Society. Credits: 3
- HIS 3900 - Women in American History. Credits: 3
- HIS 3901 - The Family in American History. Credits: 3
- HIS 4845 - Women and Gender in Modern Europe. Credits: 3
  (Cross-listed with WST 4845)
- HST 3560 - Women's Health. Credits: 3
- JOU 3970 - Race, Gender, and the Media. Credits:
- **PHI 3012 - Philosophy of Sex and Love. Credits: 3**
- PLS 3903 - Women & Politics. Credits: 3
- PSY 3720 - Psychology of Gender. Credits: 3
- SOC 3903 - Gender Roles and Social Change. Credits: 3
- WST 2903 - Women and Gendered Violence. Credits: 3
- WST 3309 - Independent Study. Credits: 1 to 3
- WST 4000 - Special Topics. Credits: 1 to 3
- WST 4275 - Internship. Credits: 1 to 12
- WST 4800 - Non-western Feminisms: Gender, Culture, and Nation. Credits: 3
- WST 4845 - Women and Gender in Modern Europe. Credits: 3
  (Cross-listed with HIS 4845)

CAH/COS
Effective Spring 2018

1. Revise the course title and prerequisites, and remove the restriction for SOS 2400.

SOS 2400 - Introduction to Teaching Social Studies in the Middle and Secondary Classroom. (1-0-1) ~~**On Demand.**~~ **F.** This course provides an introduction to social science education research/theory; the various disciplinary perspectives of all social sciences; edTPA and reflective teaching; and the **middle and** secondary classroom setting. This course is designed to meet the needs of students who will receive Social Science Teaching Licensure. ~~It is restricted to History Teacher Licensure and Social Science Teaching majors. Prerequisites & Notes: SED 2000 or permission of the Social Science Teaching Coordinator. Co-requisite: EDP 2330. **Note: SOS 2400 will be a new course beginning Fall 2017.**~~ Credits: 1

2. Revise the course title, restriction, and prerequisites for SOS 3400.

   SOS 3400 - Middle Level and Secondary Social Studies Teaching Methods. (3-1-3) ~~On Demand~~. S. Preparation to teach array of social studies classes in secondary schools: U.S. history, world history, civics, and social studies electives **in middle and secondary classrooms.** Theoretical and methodological consideration as well as emphasis on practical application, historical thinking, social studies literacy, strategy-based instruction, and reflective teaching. Fifteen hours in clinical experiences are required. This course is designed to meet the needs of students who will receive Social Science Teaching Licensure. It is restricted to History Teacher Licensure and Social Science Teaching majors. Prerequisites & Notes: ~~A grade of "C" or better in SED 2000; SOS 2400; EDP 2330 (old EDP 3331) or permission of the Social Science Teaching Coordinator~~. **Passing score on the TAP, ACT, or SAT; completion of SOS 2400 with a C or better; or permission of Social Science Teaching Coordinator.** Credits: 3

CEPS
Effective Fall 2017

1. Delete the following courses from the catalog:
   ELE 2000, 2320, 2321, 3000, 4000, ELE 40001, 40002, 4776, MLE 4000, MLE 40002, SED 3000, 3100, 4000, EDF 4450, HST 3196, HST 3199, REC 3985, EIU 4103G, KSS 2103, 2106, 2230, 2380, 3550, 4761, 4880, 4980B, and 4980T.

2. Remove the course prerequisites from HST 2900.

   HST 2900 - Human Diseases. (3-0-3) F, S. A study of the occurrence and process of human infectious and chronic diseases. ~~Prerequisites & Notes: HST 2000 or permission of instructor.~~ Credits: 3

3. Delete the course prerequisites from HST 3560.

   HST 3560 - Women's Health. (3-0-3) F, S. An examination of the biological and psychosocial dimensions of women's health; the relationship between women and the health care system, and the impact of cultural stereotyping on women's physical and emotional health. ~~Prerequisites & Notes: ENG 1002G and junior status or above, or permission of the instructor.~~ Credits: 3

4. Revise the course prerequisites for HST 3700.
   HST 3700 - Community Health Behavior Methods. (3-0-3) F, S. Examination, discussion and application of the most commonly used health behavior theories in both individual and community-level contexts. WI Prerequisites & Notes: ENG 1002G~~,~~ **and** HST 2270~~, HST 2800; or permission of the instructor~~. Credits: 3

5. Amend the course prerequisites for HST 4770.

   HST 4770 - Health Services Administration. (3-0-3) F, S. Examination of the health service sector, applications of administrative and management concepts, including social administration, biomedical and business ethics, and management theory. WI Prerequisites & Notes: ENG 1002G, ~~HST 2270, HST 3700,~~ HST 3750 and Senior class status~~; or permission of the instructor~~. Credits: 3

COS
Effective Fall 2017

1. Add the online delivery mode to CDS 2000, 2100, 2500, 2800, 3100, 3200, 3500, 3700, 4300, 4350, 4600, 4810, and 4815.
2. Remove BIO 1100, 1200G, 1300G, 2200, and 3800 from the catalog.
3. Delete ECN 3833, 4505, 4511, 4520, and 4813 from the catalog.
4. Eliminate MAT 1310, 1340, 4800, 4810D, and 4810E from the catalog.
5. Expunge PHY 3010A, 3010B, and 3090 from the catalog.

6. Delete the online restriction to off-campus students for PHY 1052G.

   PHY 1052G - Adventures in Physics. (3-0-3) F, S. An introduction to the universal laws of nature, their governance of phenomena in everyday life, and their application to inventions in our technological society. PHY 1053G must be taken concurrently. ~~Online sections are available to off-campus students only.~~ P1 901 Credits: 3

7. Remove the online restriction to off-campus students for PHY 1053G.

   PHY 1053G - Adventures in Physics Laboratory. (0-2-1) F, S. Experimental work demonstrating physical principles and their applications. PHY 1052G must be taken concurrently. ~~Online sections are available to off-campus students only.~~ P1 901L Credits: 1

8. Revise the Pre-Health Professions option to change the introductory biology course sequence replacing BIO 1300G with BIO 1500.

Pre-Health Professions

Minimum Requirements:

- **BIO1500 General Biology. Credits: 4**
- ~~BIO 1300G - Animal Diversity. Credits: 4~~
- CHM 1310G - General Chemistry I. Credits: 3
- CHM 1315G - General Chemistry Laboratory I. Credits: 1
- CHM 1410 - General Chemistry II. Credits: 3
- CHM 1415 - General Chemistry Laboratory II. Credits: 1
- CHM 2440 - Organic Chemistry I. Credits: 3
- CHM 2445 - Organic Chemistry Laboratory I. Credits: 1
- CHM 2840 - Organic Chemistry II. Credits: 3
- CHM 2845 - Organic Chemistry Laboratory II. Credits: 1
- ENG 1001G - College Composition I: Critical Reading & Source-Based Writing. Credits: 3
- ENG 1002G - College Composition II: Argument & Critical Inquiry. Credits: 3

AND

- PHY 1151G - Principles of Physics I. Credits: 3
- PHY 1152G - Principles of Physics I Laboratory. Credits: 1
- PHY 1161 - Principles of Physics II. Credits: 3
- PHY 1162 - Principles of Physics II Laboratory. Credits: 1

OR

- PHY 1351G - General Physics I. Credits: 3
- PHY 1352G - General Physics I Laboratory. Credits: 1
- PHY 1361 - General Physics II. Credits: 3
- PHY 1362 - General Physics II Laboratory. Credits: 1

9. Update the list of Clinical Laboratory Science major introductory biology courses to reflect the change in the introductory biology course sequence replacing BIO 1100 and BIO 1300G with BIO 1500 and BIO 1550G.

Clinical Laboratory Science (B.S.)

Major

Semester Hours required for the Clinical Laboratory Science Major: 82-89 semester hours
The Clinical Laboratory Science Major comprises:

Biology Requirements (24 hours)

- ~~BIO 1300G - Animal Diversity. Credits: 4~~
- **BIO 1500- General Biology I. Credits: 4**

- **BIO 1550G- General Biology II. Credits: 4**
- BIO 3120 - Molecular and Cellular Biology. Credits: 4
- BIO 3210 - Immunology. Credits: 4
- BIO 3300 - General Microbiology. Credits: 4

AND

- BIO 2001G - Human Physiology. Credits: 4
  or
- BIO 3520 - Animal Physiology. Credits: 4
  or
- BIO 2220 - Anatomy and Physiology II. Credits: 4
  (Note: BIO 2210 must be taken first and counted as an elective.)

COS
Effective Spring 2018

1. Add the online delivery mode for MAT 2110G and 1160G.

2. Change the course prerequisites for BIO 1001G.

   BIO 1001G - Biological Principles and Issues. (2-2-3) An introduction to the study of living organisms with emphasis upon an appreciation for their behavioral, functional, and structural adaptations, their diversity and relationship to the environment. In addition, strong emphasis on current issues dealing with the field of biology. Does not count toward the Biological Sciences major or minor. Credit for BIO 1001G will not be granted if the student already has credit for or registration in BIO 1091G or **BIO 1500** ~~BIO 1100~~. L1 900L Credits: 3

3. Revise the course prerequisites for BIO 1002G.

   BIO 1002G - Practical Botany. (2-2-3) This course will introduce students to the importance of plants in their daily lives. General botanical principles will be taught with emphasis on instructing students in methods of identification, growth and maintenance of plants used in landscaping, gardening, and interiorscaping. Does not count toward the Biological Sciences major or minor. Credit for BIO 1002G will not be granted if the student already has credit for or registration in BIO 1092G or **BIO 1550G** ~~BIO 1200G~~. Credits: 3

4. Amend the course prerequisites for BIO 1003G.

   BIO 1003G - Life of Animals. (2-2-3) An introduction to the study of animals and animal diversity with emphasis on behavioral, functional, and structural adaptations as they relate to specific habitats. Does not count toward the Biological Sciences major or minor. Credit for BIO 1003G will not be granted if the student already has credit for or registration in BIO 1093G or **BIO 1550G** ~~BIO 1300G~~. Credits: 3

5. Update the course prerequisites for BIO 1091G.

   BIO 1091G - Biological Principles and Issues, Honors. (2-2-3) The study of the fundamental processes and structures common to all living things. Current issues in the biological sciences will be addressed. Does not count toward the Biological Sciences major or minor. Credit for BIO 1091G will not be granted if the student already has credit for or registration in BIO 1001G or **BIO 1500** ~~BIO 1100~~. L1 900L WI Prerequisites & Notes: Admission to the University Honors College. Credits: 3

6. Revise the course prerequisites for BIO 1092G.

   BIO 1092G - Practical Botany, Honors. (2-2-3) This course will introduce students to the importance of plants in their daily lives. Emphasis will be placed on students learning methods for the identification, growth and maintenance of plants used in landscaping, gardening and the home. Does not count toward the Biological Sciences major or minor. Credit for BIO 1092G will not be granted if the student already has credit for or registration in BIO 1002G or **BIO 1550G** ~~BIO 1200G~~. Prerequisites & Notes: Admission to the University Honors College. Credits: 3

7. Modify the course prerequisites for BIO 1093G.

   BIO 1093G - Life of Animals, Honors. (2-2-3) An introduction to the study of animals with an emphasis upon an appreciation for their behavioral, functional, and structural adaptations, their diversity and relationships to their environment. Does not count toward the Biological Sciences major or minor. Credit for BIO 1093G will not be granted if the student already has credit for or registration in BIO 1003G or **BIO 1550G** ~~BIO 1300G~~. WI Prerequisites & Notes: Admission to the University Honors College. Credits: 3

8. Change the course prerequisites for BIO 1180.

   BIO 1180 - Principles of Biological Investigations. (1-3-1) On Demand. This is a half-semester course that offers hands-on, guided research opportunity in the context of early stage college experience to allow students in Biological Sciences major to be immersed in the process of scientific inquiry outside of a lecture format. This course will be restricted to students majoring in Biological Sciences. A limit of 1 hour may be applied to a major. Prerequisites & Notes: ~~BIO 1100~~ **BIO 1500** and permission of the instructor. ~~BIO 1100~~ **BIO 1500** can be repeated after BIO 1180 for credit and a grade recalculation. Credits: 1

9. Revise the course prerequisites for BIO 2210.

   BIO 2210 - Anatomy and Physiology I. (3-3-4) Comprehensive survey of human anatomy and physiology. First of a two-semester sequential course that covers the structure and function of cells and tissues, and a systematic approach to the integumentary, skeletal, muscular, nervous, and endocrine systems. Includes a laboratory component with identification of anatomical structures in models and cadavers and hands-on physiological experiments. Equivalent course: BIO 2200. Prerequisites & Notes: BIO 1001G, or ~~BIO 1100 or BIO 1300G~~ **BIO 1500 or BIO 1550G** or KSS 2440. Credits: 4

10. Adjust the course prerequisites for BIO 2320.

    BIO 2320 - Economic Botany – Role of Plants in the World Economy. (3-0-3) S. The impact of plants and plant products on the world economy, with emphasis on the U. S. economy. Course also includes information on the origin, development, diversity and future impact of plants and plant products on the world economy. Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G** or permission of the instructor. Credits: 3

11. Modify the course prerequisites for BIO 3120.

    BIO 3120 - Molecular and Cellular Biology. (2-4-4) F, S. A class on the biology of cells, with respect to the structures, functions, and interactions of biomolecules and organelles, to help students understand the molecular underpinnings of life. The laboratory portion of the class provides integrated experiments to allow students to learn and practice basic molecular biology techniques. Course replaces former courses BIO 3100 and BIO 3101. Prerequisites & Notes: ~~BIO 1100,~~ **BIO 1500,** CHM 1410, and CHM 1415. Credits: 4

12. Update the course prerequisites for BIO 3300.

    BIO 3300 - General Microbiology. (2-4-4) An introduction to the biology of prokaryotic and eukaryotic microorganisms. Emphasis is placed on bacteria and their chemical composition and structure, classification, growth, physiology, genetics, diversity, pathogenicity, ecology, and economic importance. The laboratory will include principles and techniques for the isolation, cultivation, enumeration, and characterization of microorganisms. Prerequisites & Notes: ~~BIO 1100~~ **BIO 1500**. Credits: 4

13. Change the course prerequisites for BIO 3312.

    BIO 3312 - Horticulture. (2-2-3) The principles and practices of indoor and outdoor home gardening with emphasis on practical applications of horticulture. Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G**. Credits: 3

14. Revise the course prerequisites for BIO 3322.

    BIO 3322 - Dendrology. (2-3-3) The identification of common native, naturalized, and planted trees, shrubs, and vines of Illinois, their life histories, wood structure, ecology, and economic significance. The biotic divisions of Illinois and major forest regions of North America are also stressed. Prerequisites & Notes: ~~BIO 1200G.~~ **BIO 1550G.** Credits: 3

15. Update the course prerequisites for BIO 3450A.

    BIO 3450A - Independent Study I. (Arr.-Arr.-1-3) (Credit/No Credit) Individual study on a topic in biology selected by the student under the supervision of an instructor. May be repeated once for credit. Prerequisites & Notes: ~~BIO 1100, 1200G, 1300G~~ **BIO 1500, BIO 1550G** and permission of the department chairperson and instructor. This course is not intended for students who wish to complete a research project. Credits: 1 to 3

16. Amend the course prerequisites for BIO 3450B.

    BIO 3450B - Independent Study II. (Arr.-Arr.-1-3) (Credit/No Credit) Individual study on a topic in biology selected by the student under the supervision of an instructor. May not be repeated for elective credit. Prerequisites & Notes: ~~BIO 1100, 1200G, 1300G~~ **BIO 1500, BIO 1550G** and permission of the department chairperson and instructor. This course is not intended for students who wish to complete a research project. Must complete BIO 3450A twice. Credits: 1 to 3

17. Change the course prerequisites for BIO 3451A.

    BIO 3451A - Undergraduate Research I. (Arr.-Arr.-1-3) (Credit/No Credit) Original research in Biological Sciences conducted in consultation with a faculty mentor. Students will conduct a research project using current scientific protocols. Hypothesis formation, bench work, data collection/analysis become the responsibility of each student. Written report required. May be repeated once for credit to a maximum of three semester hours for elective credit in the major from BIO 3451A and 3451B. Prerequisites & Notes: ~~BIO 1100, 1200G, 1300G~~ **BIO 1500, BIO 1550G** and approval of instructor and department chairperson. Credits: 1 to 3

18. Modify the course prerequisites for BIO 3451B.

    BIO 3451B - Undergraduate Research II. (Arr.-Arr.-1-2) (Credit/No Credit) Original research in Biological Sciences conducted in consultation with a faculty mentor. Students will conduct a research project using current scientific protocols. Hypothesis formation, bench work, data collection/analysis become the responsibility of each student. Written report required. May be repeated once for credit to a maximum of three semester hours for elective credit in the major from BIO 3451A and 3451B. Prerequisites & Notes: ~~BIO 1100, 1200G, 1300G~~ **BIO 1500, BIO 1550G** and approval of instructor and department chairperson. Must have completed BIO 3451A twice. Credits: 1 to 2

19. Adjust the course prerequisites for BIO 3510.

    BIO 3510 - Plant Physiology. (2-4-4) The study of water relations, mineral nutrition, phytohormones, photosynthesis, respiration and physiological ecology. Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G** and BIO 3120; or CHM 3450. Credits: 4

20. Revise the course prerequisites for BIO 3612.

    BIO 3612 - Plant Evolution and Diversity. (2-3-3) The morphology, anatomy, life cycles, and evolutionary history of plants, including bryophytes, ferns and fern allies, gymnosperms, and angiosperms. WI Prerequisites & Notes: BIO ~~1200G~~ **BIO 1550G**. Credits: 3

21. Amend the course prerequisites for BIO 3620.

    BIO 3620 - Functional Comparative Anatomy. (2-4-4) A study of vertebrate anatomy, emphasizing the evolution of form and function of structures. Laboratory dissection of representative vertebrates. Prerequisites & Notes: ~~BIO 1300G~~ **BIO 1550G** and junior-level standing. Credits: 4

22. Update the course prerequisites for BIO 3622.

    BIO 3622 - Embryology. (2-4-4) Systematic examination of the mechanisms that underlie animal development from a single-cell to a multicellular organism. Morphological studies emphasize selected embryonic stages in echinoderms, amphibians, birds, and mammals. Prerequisites & Notes: ~~BIO 1300G~~ **BIO 1550G**. Credits: 4

23. Change the course prerequisites for BIO 3710.

    BIO 3710 - Plant – Animal Interactions. (3-0-3) S-even-numbered years. The course examines diverse interactions between plants and animals, including exploitative, commensal, and mutualistic relationships, as well as those indirectly affecting or mediated by third parties involved in multi-trophic interactions, such as fungi and bacteria. Prerequisites & Notes: ~~BIO1200G and BIO1300G~~ **BIO 1550G**. Credits: 3

24. Revise the course prerequisites for BIO 3740.

    BIO 3740 - Clinical Mycology. (3-0-3) F. An introduction to the fungi which cause superficial, subcutaneous and systemic infections in humans and other vertebrate organisms with an emphasis on the history, classification, morphology, epidemiology, pathogenesis, histopathology, clinical treatment and prevention of the diseases fungi cause. Prerequisites & Notes: ~~BIO 1200G and BIO 1300G~~ **BIO 1550G** or permission of instructor. Credits: 3

25. Change the course prerequisites for BIO 3810.

    BIO 3810 - Freshwater Ecology. (1-4-3) The physical environment and biological communities involved in fresh water ecosystems. Prerequisites & Notes: ~~BIO 1200G and BIO 1300G~~ **BIO 1550G,** CHM 1310G, and 1315G. Credits: 3

26. Modify the course prerequisites for BIO 3850.

    BIO 3850 - Environmental Health and Sustainability. (3-3-4) An introduction to the principles of environmental sciences for biology majors. This course investigates the foundations of environmental science with particular attention to environmental problems from a biological perspective and the costs and benefits to their "solutions" from the local to global scale. This course pays particular attention to how to analyze, interpret and present scientific information in the life sciences. Prerequisites & Notes: ~~BIO 1200G and BIO 1300G~~ **BIO 1550G**. Credits: 4

27. Update the course prerequisites for BIO 3950.

    BIO 3950 - Vertebrate Natural History. (2-3-3) The natural history of vertebrates including distribution, reproduction, behavior, evolution, and phylogeny. WI Prerequisites & Notes: ~~BIO 1300G~~ **BIO 1550G**. Credits: 3

28. Change the course prerequisites for BIO 3952.

    BIO 3952 - Invertebrate Natural History. (2-3-3) Natural history, including distribution and habitat utilization; reproduction, behavior, and life histories; identification, classification and evolution of terrestrial and aquatic invertebrates. Emphasis on major groups in the Midwest. WI Prerequisites & Notes: ~~BIO 1300G~~ **BIO 1550G**. Credits: 3

29. Update the course prerequisites for BIO 3960A.

    BIO 3960A - Special Topics. (Arr.-Arr.-1-4) On Demand. Reading discussions, reports, on-campus and off-campus fieldwork on topics in biological sciences not ordinarily treated in existing courses. Topics to be announced. May be repeated once to a maximum of eight semester hours of credit in BIO 3960 courses with permission of the department chairperson. Prerequisites & Notes: ~~BIO 1100, 1200G, 1300G~~ **BIO 1500, BIO 1550G** and permission of the department chairperson and instructor. Credits: 1 to 4

30. Adjust the course prerequisites for BIO 4892.

    BIO 4892 - Introduction to Paleobotany. (3-2-4) Introduction to the origin and theories of evolution, diversification, radiation, and paleogeography of plants through time, with special reference to vascular plants. Field work. Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G** or permission of instructor. Credit not granted for both GEO 4892 and BIO 4892. Credits: 4

31. Modify the course prerequisites for BIO 4914.

    BIO 4914 - Plant Anatomy. (2-3-3) F. A comprehensive study of the internal structure of vascular plants, focusing primarily on the anatomy of seed plants. The course emphasizes plant development and structural-functional relationships. The laboratory component of this class will introduce students to basic microtechniques and emphasize microscopic plant structure. Restriction: Junior status. Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G** or at least 9 semester hours in the biological sciences major. Credits: 3

32. Change the course prerequisites for BIO 4920.

    BIO 4920 - Medicinal Plants. (3-0-3) On Demand. A worldwide survey of the past and present human utilization of plants and plant products as medicines, including their chemical constituents and natural and cultural history. WI Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G** or equivalent. Credits: 3

33. Amend the course prerequisites for BIO 4940.

    BIO 4940 - Phycology. (2-3-3) Introduction to algal biology; emphasis is placed on freshwater algae including the study of classification, life-history, physiology, ecology, and evolution. Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G** Credits: 3

34. Revise the course prerequisites for BIO 4942.

    BIO 4942 - Mycology. (2-3-3) Survey of the fungi; specifically the characteristics and phylogenetic relationships of the major groups of fungi, their structure, growth and development, physiology, reproduction and dispersal, genetics, ecological role and economic importance. WI Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G.** Credits: 3

35. Change the course prerequisites for BIO 4944.

    BIO 4944 - Lichens. (2-3-3) Systematic survey of the lichens, including their physiology, growth and development, reproduction, ecology, economic importance, and classification. Field trips required. WI Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G**. Credits: 3

36. Update the course prerequisites for BIO 4946.

    BIO 4946 - Bryology. (1-4-3) The structure, identification, life-history, and importance of the mosses and liverworts. Fall field trip is required. Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G**. Credits: 3

37. Amend the course prerequisites for BIO 4948.

    BIO 4948 - Plant Taxonomy. (1-4-3) The classification and evolution of flowering plants. Emphasis on learning common families and field techniques, especially specimen preparation. Saturday field trip required. Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G**. Credits: 3

38. Adjust the course prerequisites for BIO 4958.

    BIO 4958 - Parasitology. (3-3-4) F. A study of parasitism as a symbiotic relationship; to include identification, systematics, life histories, pathology, and control of common parasites of animals, including humans. Prerequisites & Notes: ~~BIO 1300~~ **BIO 1550G** or permission of instructor. Credits: 4

39. Revise the course prerequisites for BIO 4960.

    BIO 4960 - Wetland and Aquatic Vascular Plants. (2-3-3) F-odd-numbered years. The study of the taxonomy and ecology of wetland and aquatic plants, emphasizing those occurring in the Midwest. Field trips required. Prerequisites & Notes: ~~BIO 1200G~~ **BIO 1550G**. Credits: 3

40. Change the course prerequisites for BIO 4964.

    BIO 4964 - Entomology. (3-3-4) F. A study of insects, and closely related arthropods, with regard to identification, ecology, morphology, physiology, and evolution. Methods of collection and specimen preparation are included. WI Prerequisites & Notes: ~~BIO 1300~~ **BIO 1550G** or permission of instructor. Course may not be repeated. Credits: 4

41. Amend the course prerequisites for BIO 4984.

    BIO 4984 - Organic Evolution. (3-0-3) Fundamental principles of organic evolution stressing historical fact, evidences for and processes common to all biota. WI Prerequisites & Notes: ~~BIO 1100, 1200G, 1300G~~ **BIO 1500, BIO 1550G,** 3200, and senior-level standing. Credits: 3

42. Add the online delivery mode and a course restriction to EIU 4101G.

    EIU 4101G - Spaceship Earth: The Present State. (3-0-3) A holistic discussion of the planet Earth's potentials and limitations. Debate of the interrelationships and interactions between exponential growth of population, industry, pollution and nuclear wastes, exponential depletion of natural resources and the possible future consequences of this growth. Biological Science**, Geography** and Geology majors are excluded. WI Prerequisites & Notes: Completion of 75 semester hours. Credits: 3

43. Add the online delivery mode and a course restriction to EIU 4190G.

    EIU 4190G - Spaceship Earth: The Present State, Honors. (4-0-4) F, S, Su. The course will be a science-based, holistic discussion of the Earth's problems, potentials, and limitations. Topics will include population and its control, resource management, pollution, the relationship of religions and rights on a multinational to individual scale, and other appropriate current global topics. Biological Sciences**, Geography** and Geology majors are excluded. WI Prerequisites & Notes: 75 semester hours completed and admission to University Honors College. Credits: 4

44. Revise the prerequisite for MAT 2270.

    MAT 2270 - Technology in Mathematics. (2-1-3) S. The focus of this course is how to use technology to investigate, model, simulate, and solve mathematical problems. Authentic and involved mathematical tasks and situations will be presented from a broad range of topics. Attention is given to the appropriate uses of technology and the potential drawbacks of technology in the secondary classroom. Laboratory experiences will include (but are not limited to) graphing calculators, Computer Algebra Systems, statistical tools, and dynamic geometry software. WI Prerequisites & Notes: ~~CSM 2170~~ **MAT 1441G with a grade of "C" or better**. Credits: 3

SCE
Effective Fall 2017
Note: The following course description replaces the one which appears in the April 20, 2017 CAA minutes. Please see pages one and two of these minutes for details.

1. Revise the course title and prerequisites for BGS 3001.

    BGS 3001 - ~~BGS~~ Prior Learning Portfolio. (3-0-3) A writing intensive course focusing on the process of analyzing and documenting a prior learning experience in portfolio form. Emphasis is on analysis of prior learning, information access as it pertains to prior learning assessment and further development of writing skills. WI Prerequisites & Notes: ~~Admission to the BGS Degree Program and~~ **P**ermission of the instructor. **This course is open only to students in the BGS Degree Program, Organizational & Professional Development majors, and Nursing majors.** Credits: 3

Attachment A

Psychology (B.A.)

Total Semester Hours required for the Degree: 120 semester hours

Major
Semester Hours required for the Psychology Major: 36-39 semester hours depending on the Math requirement

Criteria for admission to the Psychology Major:
1. Completion of MAT 1271 or higher level math course, with a grade of C or better; or ACT mathematics score of 26 or higher.
2. Completion of PSY 1879G (or equivalent) with a grade of C or better.

The requirements of the Psychology BA are composed of core courses; selected courses from the Abnormal/Social, Biopsychology, Cognitive/Learning, and Development groups; and electives.

Core Courses for the Psychology Major: 15-18 semester hours depending on the Math requirement
- MAT 1271 - College Algebra. Credits: 3
  or higher level math course, or ACT math score of 26 or higher
- PSY 1879G - Introductory Psychology. Credits: 3
- PSY 2610 - Statistical Methods of Psychology. Credits: 4
- PSY 2999 - Orientation to the Psychology Major. Credits: 1
- PSY 3805 - Research Methods and Experimental Design. Credits: 4

One of the following courses to meet the capstone requirement (See footnote 1) – 3 hours
- PSY 4250 - History and Systems. Credits: 3
- PSY 4260 - Crisis Intervention. Credits: 3
- PSY 4270 - Theories of Psychotherapy. Credits: 3
- PSY 4515 - Children with Exceptionalities. Credits: 3
- PSY 4590 - Psychology Seminar. Credits: 3
- PSY 4644 - Honors Thesis. Credits: 3
- PSY 4666 - Honors Seminar. Credits: 3
- PSY 4700 - Prejudice and Discrimination. Credits: 3

Group A. Abnormal/Social Group – 6 hours
At least two courses from
- PSY 3590 - Theories of Personality. Credits: 3
- PSY 3780 - Abnormal Psychology. Credits: 3
- PSY 3870 - Social Psychology. Credits: 3

Group B. Biopsychology Group – 3 hours
At least one course from
- PSY 3310 - Biological Psychology. Credits: 3
- **PSY 3450 - Neuropsychology. Credits: 3**
- PSY 3680 - Sensation and Perception. Credits: 3
- PSY 3820 - Cognitive Neuroscience. Credits: 3

Group C. Cognitive/Learning Group – 3 hours
At least one course from
- PSY 3620 - Psychology of Learning. Credits: 3
- **PSY 3710 – Human Memory. Credits: 3**
- PSY 3830 - Cognitive Psychology. Credits: 3

Group D. Developmental Group – 3 hours
At least one course from

- PSY 3515 - Child Psychology. Credits: 3
- PSY 3521 - Psychology of Adolescence and Young Adulthood. Credits: 3
- PSY 3525 - Psychology of Maturity and Old Age. Credits: 3

Electives – 6 hours
Six semester hours from any Psychology Courses[2] except Psychology 4274 and 4275.

Footnotes:
[1] Capstone Requirement: Graduation with a major in psychology requires the completion of a capstone experience entailing four components:

1. Oral presentation of information about psychology
2. Engagement with original primary literature in psychology
3. Written communication of information about psychology
4. Critical and integrative thinking about psychology

The capstone requirement must be met after the student has completed 90 semester hours and PSY 3805 - Research Methods and Experimental Design, with a grade of C or better.

The capstone requirement may also be met by completing individual components in other classes (e.g., PSY 4100F), or by non-class activities. All activities outside of a capstone course must have the approval of the department chair.

[2] No more than 3 semester hours each of PSY 3900A-E or PSY 4100A-E may count toward this requirement.

A grade of C or better is required in all courses counting towards the Major.

(Major GPA based on all psychology courses taken at EIU)

Majors are required to complete the department's exit evaluation at least 10 days prior to the closing date of the last term of graduation.

Attachment B

~~Kinesiology & Sports Studies:~~ Exercise Science ~~Concentration~~ (B.S)

Total Semester Required For the Degree: 120 semester hours

Exercise Science provides students with the scientific knowledge of the underlying principles of exercise training through instruction and practical experience.

~~Major~~

~~Semester Hours required for the Major: 62-65 semester hours~~

Criteria required for admission to the ~~Kinesiology & Sports Studies Major:~~ Exercise Science ~~Concentration~~ Major:

1. Completion of BIO 2210 (or equivalent) with a grade of C or better;
2. Completion of KSS 1500 and KSS 2440 (or equivalent) with a grade of C or better.

General education requirements plus:

Semester Hours required for the Major: 62-65

Core Requirements:

- BIO 2210 - Anatomy and Physiology I. Credits: 4
- BIO 2220 - Anatomy and Physiology II. Credits: 4
- FCS 2100 - Personal Nutrition. Credits: 3
- FCS 4755 - Nutrition for Physical Performance. Credits: 3
- HST 3110 - First Aid/CPR/AED for the Health and Fitness Professional. Credits: 4
- KSS 1310 - Aqua Exercise. Credits: 1
- KSS 1500 - Kinesiology and Sports Studies as a Profession. Credits: 2
- KSS 2135 - Basic Care and Prevention of Athletic Injuries. Credits: 3
- KSS 2440 - Structural Kinesiology. Credits: 3
- KSS 2850 - Fitness for Life. Credits: 3
- KSS 3104 - Functional Resistance Training and Group Fitness Leadership. Credits: 3
- KSS 3720 - Exercise Psychology. Credits: 2
- KSS 3800 - Biomechanics of Human Movement. Credits: 3
- KSS 3860 - Organization and Administration in Exercise Science. Credits: 3
- KSS 4275 - Internship. Credits: 3-9
  (Register for a minimum of 6 credits)
- KSS 4340 - Principles of Exercise Physiology. Credits: 3
- KSS 4440 - Physical Fitness Appraisal and Performance Assessment. Credits: 3
- KSS 4450 - Exercise Prescription for General and Special Populations. Credits: 3
- KSS 4460 - Principles of Resistance Training. Credits: 3
- KSS 4900 - Special Topics in Kinesiology and Sports Studies. Credits: 1
  (3 special topics approved by advisor)
  (Special Topic Course Numbers: KSS 4900 and KSS 4900A-W)

Footnotes:

A grade of C or better is required in BIO 2210, BIO 2220 and all Kinesiology and Sports Studies courses counting toward the major.

(Major GPA based on all Kinesiology and Sports Studies courses taken at EIU)

Attachment C

~~Kinesiology & Sports Studies:~~ Sport Management ~~Concentration~~ (B.S.)

Total Semester Hours Required for the Degree: 120 Semester Hours

~~**Major**~~

~~**Total Semester Hours for the Major: 64-67**~~

Sport Management is a multifaceted domain offering diverse employment opportunities in a wide range of sport, fitness, and recreation organizations.

Criteria for admission to the ~~Kinesiology & Sports Studies Major:~~ Sport Management ~~Concentration~~ Major:

1. Completion of KSS 1500 and KSS 2440 (or equivalent) with a grade of C or better.

General education requirements plus:

Semester Hours Required for the Major: 64-67

Core Requirements:

- KSS Aquatics course. Credits: 1
- 2 hours Coaching courses
- KSS 1500 - Kinesiology and Sports Studies as a Profession. Credits: 2
- KSS 2440 - Structural Kinesiology. Credits: 3
- KSS 2761 - Introduction to Sport Management. Credits: 3
- KSS 2850 - Fitness for Life. Credits: 3
- KSS 3900 - Technology in Kinesiology and Sports Studies. Credits: 3
- KSS 4275 - Internship. Credits: 3-9
- (Register for a minimum of 6 credits)
- KSS 4326 - Psychosocial Aspects of Sport. Credits: 3
- KSS 4327 - Ethics in Sports. Credits: 3
- KSS 4328 - Governance in Sport. Credits: 3
- KSS 4760 - Sport Law. Credits: 3
- KSS 4764 - Sport Management Principles. Credits: 3
- KSS 4765 - Marketing in Sport. Credits: 3

One technique/theory course:

- KSS 2101 - Technique and Theory of Badminton, Tennis and Pickleball. Credits: 2
- KSS 2102 - Technique and Theory of Golf, Bowling, and Disc Golf. Credits: 2
- KSS 2360 - Technique and Theory of Volleyball, Ultimate Frisbee and Lacrosse. Credits: 2

Business Administration Minor (21 hours)

A grade of C or better is required in all Kinesiology and Sports Studies courses counting toward the major.

Aquatics Proficiency: If you pass the aquatics proficiency exam, you must then take an additional KSS activity course.

(Major GPA based on all Kinesiology and Sports Studies courses taken at EIU)

Attachment D

Engineering Technology (B.S.)

The Bachelor of Science in Engineering Technology emphasizes the study of industrial, production, and mechanical engineering technology principles, to prepare graduates for engineering technology positions in industrial and laboratory settings.

Total Semester Hours Required for Degree: 124-125 semester hours

Core Coursework (69 Hours):

- EGT 1303 - Engineering Tech Applications. Credits: 3
- EGT 1323 - Computers for Engineering Technology. Credits: 3
- AET 1363 – Intro to Graphics Technology. Credits: 3
- AET 1413 - Intro Engineering Technology. Credits: 3
- EGT 2004G - Materials Science and Evaluation. Credits: 4
- AET 2043 – Computer-Aided Engineering Drawing. Credits: 3
- EGT 2324 - Electricity and Electronic Controls. Credits: 4
- EGT 2424 - Manufacturing and Fabrication Processes. Credits: 4
- EGT 2773 - Safety for Engineering Technology. Credits: 3
- AET 2953 - Statics and Strength of Materials. Credits: 3
- AET 3063 - 3D Modeling. Credits: 3
- AET 3414 - Engineering Tech Project Management. Credits: 4
- EGT 3663 - CNC and Rapid Prototyping. Credits: 3
- AET 3703 - Machine Design. Credits: 3
- EGT 3763 - Automation and Data Capture. Credits: 3
- AET 4275 - Industrial Internship. Credits: 1
- EGT 4503 - Engineering Technology Cost Analysis. Credits: 3
- EGT 4704 - Engineering Technology Capstone. Credits: 4
- AET 4753 - Lean Manufacturing. Credits: 3
- OPD 4835 - Supervision in Organizations. Credits: 3
- AET 4843 - Statistical Quality and Reliability. Credits: 3
- AET 4943 - Manufacturing Management. Credits: 3

Mathematics (6-7 hours):

- MAT 1271 – College Algebra. Credits: 3
  OR
- MAT 1330 – Analytical Trig. Credits: 2
- MAT 2250G – Elementary Statistics. Credits: 4

Physical Science (4 hours):

- PHY 1151G – Principles of Physics I. Credits: 3
- PHY 1152G – Principles of Physics I Laboratory. Credits: 1

Major Electives (12 hours):

Students in Engineering Technology will be able to take 12 hours of elective courses from the School of Technology to broaden their educational experience. This will require students to take other upper division courses to meet the University requirements. Currently approved engineering technology course electives are listed in the table below. Upon approval from the EGT Program Coordinator and SOT Department Chair, students may also take upper division courses in Computer & Information Technology, Construction Management, or the Digital Media programs in the School of Technology as electives.

Engineering Technology Electives

- AET 3103 - Robots and Control Systems. Credits: 3
- AET 3253 - Energy Technology. Credits: 3
- AET 3453 - Renewable Energy. Credits: 3
- EGT 3753 - Biometrics for EGT. Credits: 3

- EGT 3803 - Engineering Tech Ergonomics. Credits: 3
- AET 3920 - Independent Study. Credits: 1 to 5
- AET 4000 - Independent Research. Credits: 1 to 6
- AET 4275 - Industrial Internship. Credits: 1 to 10
- AET 4275A - Industrial Internship. Credits: 1 to 10
- AET 4444 - Honors Independent Study. Credits: 3
- AET 4444A - Honors Independent Study. Credits: 3
- AET 4555 - Honors Research. Credits: 3
- AET 4644 - Honors Thesis. Credits: 3
- AET 4823 - Facility Security. Credits: 3
- AET 4970 - Special Topics in Technology. Credits: 1 to 4

Attachment E

Construction Management (B.S.)

The program will prepare students to meet the challenges to become competent superintendents and project managers in the residential, commercial, and industrial arenas. This program will engage students in numerous fields of study including Building Information Modeling, Estimating, Business and Financial Management, Site Surveying, Site Planning, Sustainability and Sustainable Construction, Mechanical and Electrical Design, Risk Management, Contracts, Building Methods and Dispute Resolution, Construction Planning and Sequencing, and Bid/Construction Document Preparation.

Total Semester Hours Required for Degree: 120-121 semester hours

Core Coursework (57 Hours):

- CMG 1000 – Introduction to Construction Management. Credits: 1
- AET 1303 – EGT Applications. Credits: 3
- AET 1323 – Computers for Engineering Technology. Credits: 3
- EGT 2004G – Materials Science and Evaluation. Credits: 4
- CMG 2013 – Soil, Concrete, and Paving Testing. Credits: 3
- AET 2043 – Computer-Aided Engineering Drawing. Credits: 3
- CMG 2223 – Print Reading and Introduction to BIM. Credits: 3
- AET 2253 – Construction Equipment and Materials. Credits: 3
- EGT 2773 – Safety for Engineering Technology. Credits: 3
- AET 2953 – Statics and Strength of Materials. Credits: 3
- CMG 3023 - Formwork and Building Processes. Credits: 3
- AET 3213 – Surveying and Site Planning. Credits: 3
- AET 3414 – Engineering Technology Project Management. Credits: 4
- AET 3603 – Mechanical Systems in Residential and Commercial Buildings. Credits: 3
- AET 3833 – Sustainable Buildings. Credits: 3
- CMG 4023 – Construction Risk Management. Credits: 3
- AET 4223 – Construction Cost Estimating and Takeoffs. Credits: 3
- CMG 4243 – Construction Project Management Capstone. Credits: 3
- AET 4843 – Statistical Quality and Reliability. Credits: 3

Communications (3 hours):

- CMN 2030 – Applied Communication. Credits: 3

Economics (6 hours):

- ECN 2801G – Principles of Macroeconomics. Credits: 3
- ECN 2802G – Principles of Microeconomics. Credits: 3

Mathematics (6 hours):

- MAT 2250G – Elementary Statistics. Credits: 4
- MAT 1330 – Analytical Trigonometry. Credits: 2

Physical Science (4 hours):

- GEO 1300G – Introduction to Earth Sciences. Credits: 4
  (Preferred)

  OR

- PHY 1151G – Principles of Physics I. Credits: 3
  AND
- PHY 1152G – Principles of Physics I Laboratory. Credits: 1

OR

- CHM 1310G General Chemistry I. Credits: 3
  AND
- CHM 1315G – General Chemistry Laboratory I. Credits: 1

Business (12 hours):

- BUS 2101 – Financial Accounting
- BUS 2710 – Survey of Finance
- BUS 2750 – Legal and Social Environment of Business
- BUS 3010 – Management and Organizational Behavior
  OR
- OPD 4835 – Supervision in Organizations

Major Electives (6-7 hours):

Two electives must be taken as part of the program. These can be in construction management or business, as specified below. If selected properly, three electives can result in a Business Administration Minor as part of this program.

Construction Management Electives:

- CMG 4013 – Virtual Project Design. Credits: 3
- CMG 4033 – Heavy Construction Planning. Credits: 3
- CMG 4413 – Advanced Construction Safety. Credits: 3
- EGT 2324 – Electricity and Electronics. Credits: 4
- EGT 4503 – Engineering Technology Cost Analysis. Credits: 3
- OSC 4810 – Supply Chain and Logistics Management. Credits: 3

Business Administration Minor:

- BUS 3100 – Survey of Marketing Principles. Credits: 3 (Required for minor)

Plus, two of the following:

- BUS 2102 – Managerial Accounting. Credits: 3
- ENT 3300 – Foundations of Entrepreneurship. Credits: 3
- FIN 3720 – Investments. Credits: 3
- FIN 3740 – Real Estate Fundamentals. Credits: 3
- FIN 3770 – Working Capital Management. Credits: 3