
Agenda for the February 16, 2012 CAA Meeting

Items approved: None.

Items Pending: 11-117, Review of Integration, Instructional Practices, and Effectiveness of EIU's four University Learning Goals (Ongoing)
11-132, Course Proposal Format Form (Revised Form)
12-12, ELE 4850, Exploring ELLs through Study Abroad/Study Away Experiences (New Course)
12-13, Clinical Laboratory Science Major (Revised Major)
12-14, FLF 3402, Advanced Oral Proficiency (New Course)
12-15, FLG 3402, Advanced Oral Proficiency (New Course)
12-16, FLS 3402, Advanced Oral Proficiency (New Course)
12-17, FLI 1101, Beginning Italian I (New Course)
12-18, FLI 1102, Beginning Italian II (New Course)
12-19, FLI 2201G, Intermediate Italian I (New Course)
12-20, FLI 2202G, Intermediate Italian II (New Course)

Council on Academic Affairs Minutes

February 16, 2012

The February 16, 2012 meeting of the Council on Academic Affairs was held at 3:03 p.m. in Room 4440, Booth Library.

Members Present: Dr. Caldwell, Ms. Clouston, Ms. Gonzalez, Ms. Green, Dr. Hoerschelmann, Dr. Klarup, Dr. Lucas, Dr. Reid, Ms. Ruholl, Dr. Throneburg, and Dr. White.

Members Absent: Ms. Eskew and Dr. Mitchell.

Staff Present: Dr. Lord, Dr. Herrington-Perry, and Ms. Fopay.

Guest Present: None.

Dr. Hoerschelmann chaired today's meeting in the absence of Dr. Mitchell.

I. Approval of the February 9, 2012 CAA Meeting Minutes.

Dr. Reid moved and Ms. Gonzalez seconded the motion to approve the minutes. The minutes of February 9, 2012 were approved as written.

II. Communications:

a. Curriculum Committee Minutes:

1. Minutes of the February 8, 2012 Lumpkin College of Business & Applied Sciences Curriculum Committee meeting.
2. Minutes of the February 10, 2012 College of Sciences Curriculum Committee meeting.

b. Executive Action Requests:

1. February 10, 2012 memorandum from Dean Obia, COS, requesting executive action to revised the prerequisites for NUR 4506.
2. February 10, 2012 memorandum from Dean Obia, COS, requesting executive action to delete PHY 3011 and PHY 3012 from the catalog.
3. February 10, 2012 memorandum from Dean Obia, COS, requesting executive action to revise the course descriptions for PHY 4601*, PHY 4602*, and PHY 4603*.
4. February 10, 2012 memorandum from Dean Obia, COS, requesting executive action to revise the electives and/or footnotes in the Physics Major, Physics: Astronomy Option, Physics: Computational Option, and Physics: Radiation Physics Option.
5. February 10, 2012 memorandum from Dean Obia, COS, requesting executive action to add a statement to the Chemistry (B.A.) Program regarding the availability of a five-year accelerated BS/MS Program. (Note: This is pending CGS approval.)
6. February 10, 2012 memorandum from Dean Obia, COS, requesting executive action to add a statement to the Chemistry (B.S.) Program regarding the availability of a five-year accelerated BS/MS Program. (Note: This is pending CGS approval.)

III. Other:

1. Select a chair for the Integrative Learning Award Subcommittee.
Dr. Doug Klarup agreed to chair the Integrative Learning Award Subcommittee.
2. History and data regarding School of Continuing Education (SCE) special courses.
Dr. Hoerschelmann distributed two documents (See below) containing data and information about SCE special courses. The documents were prepared by Dr. Herrington-Perry and will be included on next week's meeting agenda so council members can discuss the data and ask questions.
 - The history of special courses at EIU and facts about special course offerings for Summer 2009-Spring 2012.
 - Data regarding Summer 2009-Spring 2012 Special Courses
3. Identify questions which the council would like addressed regarding the Noel-Levitz Retention Opportunities Analysis Report distributed at the 1/16/12 CAA meeting.
Dr. Hoerschelmann requested that council members forward any questions, comments, or concerns they may have about the report to Dr. Mitchell in order to identify items to address and talking points for a discussion about it at a future CAA meeting.

IV. Committee Reports:

1. Dr. Throneburg reported on discussions held by Faculty Senate about the final report of the Committee to Study Shared Governance at EIU and President Perry's action on the final report. There was council discussion.

V. Items Added to the Agenda:

1. 12-13, Clinical Laboratory Science Major (Revised Major)
2. 12-14, FLF 3402, Advanced Oral Proficiency (New Course)
3. 12-15, FLG 3402, Advanced Oral Proficiency (New Course)
4. 12-16, FLS 3402, Advanced Oral Proficiency (New Course)
5. 12-17, FLI 1101, Beginning Italian I (New Course)
6. 12-18, FLI 1102, Beginning Italian II (New Course)
7. 12-19, FLI 2201G, Intermediate Italian I (New Course)
8. 12-20, FLI 2202G, Intermediate Italian II (New Course)

Ms. Green moved and Dr. White seconded the motion to add this item to the agenda.

VI. Items Acted Upon:

None.

VII. Pending:

1. 11-117, Review of Integration, Instructional Practices, and Effectiveness of EIU's Four University Learning Goals (Ongoing)
2. 11-132, Course Proposal Format Form (Revised Form)
3. 12-12, ELE 4850, Exploring ELLs through Study Abroad/Study Away Experiences (New Course)

VIII. Meeting Adjournment:

1. Ms. Gonzalez moved and Ms. Clouston seconded the motion to adjourn the meeting. The motion was approved by acclamation.

The meeting adjourned at 3:25 p.m.

The next meeting will be held at 2:00 p.m. on Thursday, February 23, 2012.

–Minutes prepared by Ms. Janet Fopay, Recording Secretary

***** ANNOUNCEMENT OF NEXT MEETING *****
February 16, 2012
Conference Room 4440 – Booth Library @ 2:00 p.m.

Agenda:

1. 12-14, FLF 3402, Advanced Oral Proficiency (New Course)
2. 12-15, FLG 3402, Advanced Oral Proficiency (New Course)
3. 12-16, FLS 3402, Advanced Oral Proficiency (New Course)
4. 12-17, FLI 1101, Beginning Italian I (New Course)
5. 12-18, FLI 1102, Beginning Italian II (New Course)
6. 12-19, FLI 2201G, Intermediate Italian I (New Course)
7. 12-20, FLI 2202G, Intermediate Italian II (New Course)

Pending:

1. 11-117, Review of Integration, Instructional Practices, and Effectiveness of EIU's Four University Learning Goals (Ongoing)
2. 11-132, Course Proposal Format Form (Revised Form)
3. 12-12, ELE 4850, Exploring ELLs through Study Abroad/Study Away Experiences (New Course)
4. 12-13, Clinical Laboratory Science Major (Revised Major)

Pending ~~Approved~~ Executive Actions:

Correction (See the 2/23/12 CAA Minutes) –The following executive action item is pending clarification.

BAS**Effective Fall 2012**

1. Revise the course credit hours and prerequisites for AET 3414.

AET 3414 - Selection and Management of Applied Engineering Projects. (4-0-4) (3-0-3) 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 and Notes: **MAT 2120G and AET 1323 or equivalent.** Credits: **4 3**

Approved Executive Actions:**BAS****Effective Fall 2012**

2. Add FCS 3740, 4320, 4345, and 4940 to the electives for the Entrepreneurship Minor.

Entrepreneurship Minor**Minor Electives (6 semester hours)**

Two electives selected from the following:

- XXX 4275 Internship (an internship completed through an appropriate university department)*
- ACC 3400 - Introduction to Income Taxation. Credits: 3
- AET 4243 - Construction Project Management. Credits: 3
- AET 4800 - Management of Innovation and Technology. Credits: 3 (cross listed with MGT 4800)
- AET 4843 - Statistical Quality Assurance. Credits: 3
- AET 4943 - Manufacturing Management. Credits: 3
- BUS 3500 - Management Information Systems. Credits: 3
- CTE 3000 - Consumers in the Marketplace. Credits: 3
- FCS 3300 - Consumer Education. Credits: 3
- **FCS 3740 - Professional Hospitality Meeting Management. Credits 3**
- FCS 3756 - Community Nutrition Credits: 3
- **FCS 4320 - Destination Management. Credits: 3**

- **FCS 4345 - Advanced Lodging Administration. Credits: 3**
- FCS 4846 - Aging and the Family. Credits: 3
- FCS 4926 - Public Presentation Techniques. Credits: 3
- **FCS 4940 - Food Systems Management. Credits: 3**
- FIN 3740 - Real Estate Fundamentals. Credits: 3
- FIN 3900 - Risk and Insurance. Credits: 3
- FLF 3220 - French for Business. Credits: 3
- FLF 3304 - French Civilization. Credits: 3
- FLG 3200 - German Culture and Civilization. Credits: 3
- FLG 3330 - German for Business. Credits: 3
- FLS 3201 - Business Spanish. Credits: 3
- FLS 4310 - Civilization and Culture of Spain. Credits: 3
or FLS 4320
- MAR 3780 - Promotion Management. Credits: 3
- MAR 3875 - Retail Management. Credits: 3
- MAR 4470 - Professional Sales. Credits: 3
- MGT 3450 - Human Resource Management. Credits: 3
- MGT 3830 - Managerial Communications. Credits: 3
- MGT 4330 - Entrepreneurial Law. Credits: 3
- MGT 4800 - Management of Innovation and Technology. Credits: 3
(cross listed with AET 4800)
- MIS 3505 - Advanced Microcomputer Applications and Development. Credits: 3
- MIS 3515 - Information Presentation. Credits: 3
- MIS 3530 - Business Web Site Design. Credits: 3
- OPD 4860 - Facilitating Learning and Project Groups. Credits: 3
- OPD 4870 - Coaching and Mentoring for Critical Thinking in the Workplace. Credits: 3
- OPD 4880 - Productive Work Teams. Credits: 3

COS

Effective Fall 2012

1. Revise the allowable hours for CHM 44001.

CHM 44001 - Undergraduate Research I. ~~(Arr.-Arr.-1-6)~~ **(Arr.-Arr.-1-3)** Laboratory or theoretical research in which the student works under the supervision of a faculty member. A written report is required. May be repeated once for credit and must be repeated prior to taking CHM 44002. Prerequisites and Notes: CHM 3500 or concurrent enrollment therein. Cumulative GPA of at least 2.50 (2.00 for chemistry majors with senior standing); permission of the instructor and department chairperson. A maximum of 3 semester hours from Undergraduate Research courses may be used toward chemistry major or minor requirements. Credits: ~~1 to 6~~ **1 to 3**

2. Change the allowable hours for CHM 44002.

CHM 44002 - Undergraduate Research II. ~~(Arr.-Arr.-1-6)~~ **(Arr.-Arr.-1-3)** Laboratory or theoretical research in which the student works under the supervision of a faculty member. A written report is required. May be repeated once for credit and must be repeated prior to taking CHM 44003. Prerequisites and Notes: CHM 3500 and two semesters of CHM 44001. Cumulative GPA of at least 2.50 (2.00 for chemistry majors with senior standing); permission of the instructor and department chairperson. A maximum of 3 semester hours from Undergraduate Research courses may be used toward chemistry major or minor requirements. Credits: ~~1 to 6~~ **1 to 3**

3. Amend the allowable hours for CHM 44003.

CHM 44003 - Undergraduate Research III. (~~Arr.-Arr.-1-6~~) (**Arr.-Arr.-1-3**) Laboratory or theoretical research in which the student works under the supervision of a faculty member. A written report is required. May be repeated once for credit and must be repeated prior to taking CHM 44004. Prerequisites and Notes: Two semesters of CHM 44002. Cumulative GPA of at least 2.50 (2.00 for chemistry majors with senior standing); permission of the instructor and department chairperson. A maximum of 3 semester hours from Undergraduate Research courses may be used toward chemistry major or minor requirements. Credits: ~~1 to 6~~ **1 to 3**

4. Update the allowable hours for CHM 44004.

CHM 44004 - Undergraduate Research IV. (~~Arr.-Arr.-1-6~~) (**Arr.-Arr.-1-3**) Laboratory or theoretical research in which the student works under the supervision of a faculty member. A written report is required. May be repeated once for credit. Prerequisites and Notes: Two semesters of CHM 44003. Cumulative GPA of at least 2.50 (2.00 for chemistry majors with senior standing); permission of the instructor and department chairperson. A maximum of 3 semester hours from Undergraduate Research courses may be used toward chemistry major or minor requirements. Credits: ~~1 to 6~~ **1 to 3**

Pending Executive Actions:

COS

Effective Fall 2012

1. Add a statement to the introduction of the B.A. in Chemistry regarding the five-year accelerated BA/MS Program. (Pending CGS Approval)

Chemistry (B.A.)

Major

The Bachelor of Arts in Chemistry is comprised of the following:

Students who have completed college-level, algebra-based physics courses (e.g., PHY 1151G, 1152G, 1161, 1162) should consult the department chair.

A five year accelerated BA/MS program is available. Detailed information is available at <http://www.eiu.edu/eiuchem>.

2. Add a statement to the introduction of the B.S. in Chemistry regarding the five-year accelerated BA/MS Program for the Chemistry and Biochemistry Concentrations. (Pending CGS Approval)

Chemistry (B.S.)

Major

The Bachelor of Arts in Chemistry is comprised of the following:

Students who have completed college-level, algebra-based physics courses (e.g., PHY 1151G, 1152G, 1161, 1162) should consult the department chair.

A five year accelerated BS/MS program is available for the Chemistry and Biochemistry concentrations. Detailed information is available at <http://www.eiu.edu/eiuchem>.

3. Revise the prerequisites for NUR 4506.

NUR 4506 - Nursing and the Community. (3-6-6) F, S. An overview of public and community health nursing practice within a context of systems theory is provided. Community assessment and principles of epidemiology are explored. Primary, secondary, and tertiary prevention interventions to individuals, families, groups, aggregates, and communities, are emphasized. Each student is responsible for obtaining and maintaining the appropriate CPR certification, documentation of health requirements, and appropriate certified background checks as required by the specific clinical agency. Prerequisites and Notes: Prior or concurrent enrollment in NUR ~~3103 3303, NUR 3604, NUR 3703, NUR 4106, and NUR 4203~~. Restriction: Students must be accepted into the RN to BS in Nursing Program. Course may not be repeated. Credits: 6

4. Delete PHY 3011 from the catalog.

~~**PHY 3011 - Special Topics in Physics.** (Arr.-Arr.-1-3) F, S. A course in a selected area of Physics. May be repeated for credit if different topic is taught. Prerequisites and Notes: PHY 1161 and 1162 or PHY 1371 and 1372. Only six semester hours may be counted toward Physics major. Credits: 1 to 3~~

5. Delete PHY 3012 from the catalog.

~~**PHY 3012 - Special Topics in Physics.** (Arr.-Arr.-1-3) F, S. A course in a selected area of Physics. May be repeated for credit if different topic is taught. Only six semester hours may be counted toward Physics major. Prerequisites and Notes: PHY 1161 and 1162 or PHY 1371 and 1372. Credits: 1 to 3~~

6. Change the course descriptions for PHY 4601A, 4601B, 4601D, and 4601E.

PHY 4601A - Research in Physics 1A. (Arr.-Arr.-1) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair. Credits: 1

PHY 4601B - Research in Physics 1B. (Arr.-Arr.-1) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair. Credits: 1

PHY 4601D - Research in Physics 1D. (Arr.-Arr.-1) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair. Credits: 1

PHY 4601E - Research in Physics 1E. (Arr.-Arr.-1) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair. Credits: 1

7. Update the course descriptions for PHY 4602A, 4601B, 4601D, and 4601E.

PHY 4602A - Research in Physics 2A. (Arr.-Arr.-2) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair.

PHY 4602B - Research in Physics 2B. (Arr.-Arr.-2) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair.

PHY 4602D - Research in Physics 2D. (Arr.-Arr.-2) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair.

PHY 4602E - Research in Physics 2E. (Arr.-Arr.-2) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair.

8. Amend the course descriptions for PHY 4603A, 4601B, 4601D, and 4601E.

PHY 4603A - Research in Physics 3A. (Arr.-Arr.-3) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair. Credits: 3

PHY 4603B - Research in Physics 3B. (Arr.-Arr.-3) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair. Credits: 3

PHY 4603D - Research in Physics 3D. (Arr.-Arr.-3) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair. Credits: 3

PHY 4603E - Research in Physics 3E. (Arr.-Arr.-3) Faculty-supervised research. A written report and an oral presentation are required. ~~Can be repeated for credit. Limit of three semester hours of PHY 4410, 4600 and 4800 in aggregate count toward Physics electives.~~ Prerequisites and Notes: PHY 2390, permission of instructor and department chair. Credits: 3

9. Revise the electives and footnotes for the Physics Major.

Physics (B.S.)

Major

Electives:

And 6 semester hours of PHY electives, selected from the list below:

PHY 3010* - Special Topics in Physics. Credits: 1 to 3

~~PHY 3011 - Special Topics in Physics. Credits: 1 to 3~~

~~PHY 3012 - Special Topics in Physics. Credits: 1 to 3~~

PHY 3090 - Modern Physics II. Credits: 3

PHY 3270 - Introduction to Circuit Analysis. Credits: 4

PHY 3300 - Advanced Classical Mechanics. Credits: 3

PHY 3320 - Computational Methods in Physics and Engineering. Credits: 4

PHY 3350 - Introduction to Solid State Physics. Credits: 3

PHY 4100 - Astrophysics. Credits: 3

~~PHY 4410 - Independent Study. Credits: 1 to 3~~

PHY 4444* - Honors Independent Study. Credits: 3

(See Footnote 2)

PHY 4470 - Optics. Credits: 4
 PHY 4555 – Honors Research. Credits: 3
 (See Footnote 2)
 PHY 4601* – Research in Physics*. Credits: 1
 (See Footnote 2)
 PHY 4602* – Research in Physics*. Credits: 2
 (See Footnote 2)
 PHY 4603* – Research in Physics*. Credits: 3
 (See Footnote 2)
 PHY 4750 - Thermodynamics and Statistical Mechanics. Credits: 4
 PHY 4800* - Independent Study. Credits: 1 to 6
 (See Footnote 2)
 PHY 4860 - Quantum Mechanics and Atomic Physics II. Credits: 2
 PHY 4870 - Mathematical Methods of Physics. Credits: 3

Footnotes:

(Major GPA based on all physics courses taken at EIU.)

- ¹ PHY 1391, General Physics I, Honors, and PHY 1392, General Physics I Laboratory, Honors, may be taken in place of PHY 1351 and PHY 1352.
- ² "No more than 3 semester hours of PHY 4444*, PHY 4555, PHY 4600, 4601*, 4602*, 4603* and PHY 4800* in aggregate will count towards the Physics concentration electives."

10. Change the footnote for the Physics: Astronomy Option.

Physics: Astronomy Option (B.S.)**Footnote:**

- ¹ A limit of 1 hour of Physics 4444, 4555, 4600, or 4800 may be counted toward the degree. No more than 2 semester hours of PHY 4444*, PHY 4555, PHY 4600, 4601*, 4602*, 4603* and PHY 4800* in aggregate will count towards the Astronomy Option electives

(Major GPA based on all physics courses taken at EIU.)

11. Update the electives and footnote for the Physics: Computational Physics Option.

Physics: Computational Physics Option (B.S.)**Electives:**

And 6-8 hours of electives chosen from the list below:

PHY 3090 - Modern Physics II. Credits: 3
 PHY 3270 - Introduction to Circuit Analysis. Credits: 4
 PHY 3300 - Advanced Classical Mechanics. Credits: 3
 PHY 3350 - Introduction to Solid State Physics. Credits: 3
 PHY 3420 - Electricity and Magnetism II. Credits: 3
 PHY 4100 - Astrophysics. Credits: 3
 PHY 4444* – Honors Independent Study. Credits: 3
 (See Footnote 1)
 PHY 4470 - Optics. Credits: 4
 PHY 4555 – Honors Research. Credits: 3
 (See Footnote 1)
 PHY 4750 - Thermodynamics and Statistical Mechanics. Credits: 4
 PHY 4800* - Independent Study. Credits: 1 to 6 (See Footnote 1)
 PHY 4860 - Quantum Mechanics and Atomic Physics II. Credits: 2
 PHY 4870 - Mathematical Methods of Physics. Credits: 3

Footnote:

¹ ~~A limit of 3 semester hours of PHY 4800 may be counted toward the option.~~ No more than 3 semester hours of PHY 4444*, PHY 4555, and PHY 4800* in aggregate will count towards the Computational Physics concentration electives.

(Major GPA based on all physics courses taken at EIU.)

12. Revise the electives and footnote for the Physics: Radiation Physics Option.

Physics: Radiation Physics Option (B.S.)**Electives:**

5 semester hours of electives chosen from the list below:

BIO 3120 - Molecular and Cellular Biology. Credits: 4

CHM 2430 - Survey of Organic Chemistry. Credits: 3

CHM 2435 - Survey of Organic Chemistry Laboratory. Credits: 1

CHM 3450 - Biochemistry I. Credits: 3

FCS 4820 - Death and Dying. Credits: 3

MAT 2250G - Elementary Statistics. Credits: 4

PHY 3080 - Modern Physics I. Credits: 3

PHY 4010 - Seminar in Physics. Credits: 1

PHY 4444* – Honors Independent Study. Credits: 3

(See Footnote 1)

PHY 4555 – Honors Research. Credits: 3

(See Footnote 2)

PHY 4601* – Research in Physics*. Credits: 1

(See Footnote 1)

PHY 4602* – Research in Physics*. Credits: 2

(See Footnote 1)

PHY 4603* – Research in Physics*. Credits: 3

(See Footnote 1)

PHY 4800* - Independent Study. Credits: 1 to 6

Footnote:

¹ "No more than 3 semester hours of PHY 4444*, PHY 4555, PHY 4600, 4601*, 4602*, 4603* and PHY 4800* in aggregate will count towards the Radiation Physics concentration electives."

(Major GPA based on all physics courses taken at EIU.)