



Campus Curricula Committee Meeting Agenda

January 26, 2023

8:15am - 9:30am, Bertelsmeyer 110H

(For Faculty Senate Meeting of February 16, 2023)

Review of submitted Course Change forms:

File: 4924 EDUC 4320 : Assessment and Evaluation in Special Education
File: 4926 EDUC 4325 : Language Development for Exceptional Learners
File: 4925 EDUC 4330 : Collaborative Consultation in Special Education
File: 4927 EDUC 4600 : Learning Problems in Math
File: 4908 EDUC 5150 : Teacher Leadership within Educational System
File: 4909 EDUC 5220 : Instructional Coaching and Mentoring
File: 4910 EDUC 5225 : Curriculum Development and Assessment
File: 4911 EDUC 5330 : Community-Based Participatory Action Research
File: 1704.1 ENGLISH 1110 : English As A Second Language-I
File: 4918 ENGLISH 1112 : Oral English Communication for International Students
File: 4919 ENGLISH 1115 : Written English Communication Skills for International Students
File: 1805.1 ENGLISH 3222 : American Romanticism
File: 4913 ENGLISH 5110 : English as a Second Language
File: 4920 ENGLISH 5112 : Oral English Communication for International Graduate Students
File: 4921 ENGLISH 5115 : Written English Communication Skills for International Graduate Students
File: 4272.11 HISTORY 4551 : Chicago: Architecture, Technology, Culture
File: 4359.12 PSYCH 6602 : Organizational Development & Employee Perspectives
File: 1807.6 TCH COM 4410 : Theory and Practice of Technical Communication

Review of submitted Certificate forms:

File: 391 PROPOSED : Undergraduate Certificate in Education of Young Children

Review of submitted Program Change forms:

File: 382.15 ENV SCI-BS : Environmental Sciences BS

Review of submitted Experimental Course forms:

File: 4928 ALP 2001.003 : The Global Village
File: 4906 FRENCH 3001.002 : Sci-Fi, Steampunk, Space Operas, & the French-Speaking World
File: 4902 GEOLOGY 2001.001 : Climate Change and Society

Other Business: Review CCC calendar and make decision on March 2nd meeting- it is listed as (if needed) on CCC 2022-23 Calendar.

Course Change Request

New Course Proposal

Date Submitted: 12/20/22 8:44 am

Viewing: **EDUC 4320 : Assessment and Evaluation in Special Education**

File: 4924

Last edit: 12/21/22 9:57 am

Changes proposed by: bakm75

Requested	Fall 2023
Effective Change Date	
Department	Teacher Education and Certification
Discipline	Education (EDUC)
Course Number	4320
Title	Assessment and Evaluation in Special Education
Abbreviated Course Title	SPED Assessment

Catalog

Description

The purpose of this course is to teach the procedures and instruments used in the assessment of individual with disabilities, including standardized and non-standardized measures of intellectual ability, academic achievement, oral language, social/emotional behaviors, career/vocational needs.

Prerequisites

Educ 2310.

Field Trip

Statement

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0
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Total: 3

Required for	Yes
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In Workflow

1. **REDUCATION Chair**
2. **CCC Secretary**
3. **Social Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/20/22 8:58 am
Beth Kania-Gosche (bkaniagosche): Approved for REDUCATION Chair
2. 12/21/22 9:55 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 12/21/22 11:31 am
Cecil Eng Huang

Majors

Elective for No

Majors

Justification for
new course:

This course will be required for special education certification and will be course shared with Mizzou. The courses need to be in the catalog for DESE approval of the certification and for course sharing to take place. After DESE approval, we will submit a B.S. in Education emphasis area in special education and a minor using the new courses.

Semesters None at S&T, but the course has been offered at Mizzou for many years.
previously
offered as an
experimental
course

Co-Listed
Courses:Course Reviewer **jpnfd (12/20/22 11:22 am):** Added punctuation to prerequisite.Comments **jpnfd (12/21/22 9:52 am):** Per Dept email 12/20/22, course will be required for majors.Chua (cchua):
Approved for
Social Sciences
DSCC Chair

4. 01/11/23 2:46 pm

Jennifer

Pohlsander

(jpnfd): Approved

for Pending CCC

Agenda post

Key: 4924

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 12/20/22 8:51 am

Viewing: **EDUC 4325 : Language Development for**

Exceptional Learners

File: 4926

Last edit: 12/21/22 9:55 am

Changes proposed by: bakm75

Requested Fall 2023

Effective Change

Date

Department Teacher Education and Certification

Discipline Education (EDUC)

Course Number 4325

Title

Language Development for Exceptional Learners

Abbreviated Lang Dev SPED

Course Title

Catalog

Description

This course provides educators with the information needed to identify, understand, and teach students with language and communication difficulties, including students who speak a home language other than English or who speak non-standard English.

Prerequisites

Field Trip

Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0

Total: 3

Required for No

Majors

In Workflow

1. **REDUCATION Chair**
2. **CCC Secretary**
3. **Social Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/20/22 8:58 am
Beth Kania-Gosche
(bkaniagosche):
Approved for
REDUCATION
Chair
2. 12/21/22 9:59 am
Jennifer
Pohlsander
(jpnfd): Approved
for CCC Secretary
3. 12/21/22 11:31 am
Cecil Eng Huang

Elective for Majors No

Justification for new course:

This course will be required for special education certification and will be course shared with Mizzou. The courses need to be in the catalog for DESE approval of the certification and for course sharing. After DESE approval, we will submit a B.S. in Education emphasis area in special education and a minor using the new courses.

Semesters

previously

offered as an experimental course

None at S&T, but this course has been offered at Mizzou for many years

Co-Listed

Courses:

Chua (cchua):
 Approved for
 Social Sciences
 DSCC Chair
 4. 01/11/23 2:46 pm
 Jennifer
 Pohlsander
 (jpnfd): Approved
 for Pending CCC
 Agenda post

Course Reviewer Comments **jpnfd (12/21/22 9:55 am):** Per Dept email 12/20/22, course will be required for majors.

Key: 4926

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 12/20/22 8:47 am

Viewing: **EDUC 4330 : Collaborative Consultation in Special Education**

File: 4925

Last edit: 12/21/22 10:00 am

Changes proposed by: bakm75

Requested Fall 2023

Effective Change

Date

Department Teacher Education and Certification

Discipline Education (EDUC)

Course Number 4330

Title

Collaborative Consultation in Special Education

Abbreviated SPED Consultation

Course Title

Catalog

Description

This course is designed to help students acquire the knowledgebase needed to foster partnerships that are meaningful, cooperative, and productive. The course is organized around problems of practice including understanding the importance of collaborative consultation and the process for creating empowering partnerships with families and other professionals.

Prerequisites

Field Trip

Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0

Total: 3

In Workflow

1. **REDUCATION Chair**
2. **CCC Secretary**
3. **Social Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/20/22 8:58 am
Beth Kania-Gosche
(bkaniagosche):
Approved for
REDUCATION
Chair
2. 12/21/22 10:00 am
Jennifer
Pohlsander
(jpnfd): Approved
for CCC Secretary
3. 12/21/22 11:30 am

Required for Majors	Yes
Elective for Majors	No

Cecil Eng Huang
Chua (cchua):
Approved for
Social Sciences
DSCC Chair

Justification for
new course:

This course will be required for special education certification and will be course shared with Mizzou. The courses need to be in the catalog for DESE approval of the certification and for course sharing. After DESE approval, we will submit a B.S. in Education emphasis area in special education and a minor using the new courses.

4. 01/11/23 2:46 pm
Jennifer
Pohlsander
(jpnfd): Approved
for Pending CCC
Agenda post

Semesters
previously
offered as an
experimental
course

None at S&T, but this class has been offered for many years at Mizzou

Co-Listed
Courses:

Course Reviewer Comments	jpnfd (12/21/22 10:00 am): Per Dept email 12/20/22, course will be required for Majors.
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Key: 4925

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 12/20/22 8:53 am

Viewing: **EDUC 4600 : Learning Problems in Math**

File: 4927

Last edit: 12/21/22 10:02 am

Changes proposed by: bakm75

Requested	Fall 2023
Effective Change Date	
Department	Teacher Education and Certification
Discipline	Education (EDUC)
Course Number	4600
Title	Learning Problems in Math
Abbreviated Course Title	SPED Math

Catalog

Description

This course will focus on the study of diagnostic and remedial instructional techniques for the teaching of mathematics. In this course, students will study the characteristics of students who struggle in mathematics. Students will develop a knowledge base of effective practices for assessment and teaching strategies in mathematics.

Prerequisites

Educ 1174.

Field Trip

Statement

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0
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Total: 3

Required for	Yes
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In Workflow

1. **REDUCATION Chair**
2. **CCC Secretary**
3. **Social Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/20/22 8:58 am
Beth Kania-Gosche (bkaniagosche): Approved for REDUCATION Chair
2. 12/21/22 10:06 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 12/21/22 11:30 am

Majors

Elective for Majors No

Majors

Justification for new course:

This course will be required for special education certification and will be course shared with Mizzou. The courses need to be in the catalog for DESE approval of the certification and for course sharing. After DESE approval, we will submit a B.S. in Education emphasis area in special education and a minor using the new courses.

Semesters

previously offered as an experimental course

None at S&T, but this course has been offered for many years at Mizzou.

Co-Listed

Courses:

Course Reviewer Comments **jpnfd (12/21/22 10:02 am):** Per Dept email 12/20/22, course will be required for Majors. Updated prerequisite format.

Cecil Eng Huang
Chua (cchua):
Approved for
Social Sciences
DSCC Chair

4. 01/11/23 2:47 pm
Jennifer
Pohlsander
(jpnfd): Approved
for Pending CCC
Agenda post

Key: 4927

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 11/22/22 9:43 am

Viewing: **EDUC 5150 : Teacher Leadership within Educational System**

File: 4908

Last edit: 12/20/22 10:34 am

Changes proposed by: bakm75

Requested	Fall 2023
Effective Change Date	
Department	Teacher Education and Certification
Discipline	Education (EDUC)
Course Number	5150
Title	Teacher Leadership within Educational System
Abbreviated Course Title	Teacher Leadership

Catalog

Description

Students will examine their educational context and research educational systems at various levels. Developing a collaborative culture of collective responsibility will be discussed, including equity, accountability, and continuous improvement processes. Teacher leaders will understand how educational policy is crafted and create an advocacy plan.

Prerequisites

Field Trip

Statement

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0
Total: 3				

In Workflow

- REDUCATION Chair**
- CCC Secretary**
- Social Sciences DSCC Chair**
- Pending CCC Agenda post**
- CCC Meeting Agenda**
- Campus Curricula Committee Chair
- FS Meeting Agenda
- Faculty Senate Chair
- Registrar
- CAT entry
- Peoplesoft

Approval Path

- 11/22/22 9:49 am
Beth Kania-Gosche (bkaniagosche): Approved for REDUCATION Chair
- 12/20/22 10:41 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
- 12/20/22 10:44 am

Required for Majors No

Elective for Majors No

Justification for new course:

Teacher education will be proposing a new graduate certificate in Teacher Leadership next semester. This course will be required for that certificate.

Semesters previously offered as an experimental course

N/A, required course for certificate

Co-Listed Courses:

Course Reviewer **jpnfd (12/20/22 10:34 am):** Changed Required for Majors to "No."
 Comments

Cecil Eng Huang
 Chua (cchua):
 Approved for
 Social Sciences
 DSCC Chair

4. 01/11/23 2:47 pm
 Jennifer
 Pohlsander
 (jpnfd): Approved
 for Pending CCC
 Agenda post

Key: 4908

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 11/22/22 9:45 am

Viewing: **EDUC 5220 : Instructional Coaching and Mentoring**

File: 4909

Last edit: 12/20/22 10:32 am

Changes proposed by: bakm75

Requested	Fall 2023
Effective Change Date	
Department	Teacher Education and Certification
Discipline	Education (EDUC)
Course Number	5220
Title	Instructional Coaching and Mentoring
Abbreviated Course Title	Coaching Mentoring

Catalog Description
 The differences between coaching and mentoring will be discussed, as well as research-support practices in each. Teacher leaders will research adult learning principles and apply them to instructional coaching. They will learn approaches to observing and providing constructive feedback, then practice them with peers.

Prerequisites

Field Trip Statement

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0
Total: 3				

Required for No

In Workflow

1. **REDUCATION Chair**
2. **CCC Secretary**
3. **Social Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 11/22/22 9:49 am
Beth Kania-Gosche (bkaniagosche): Approved for REDUCATION Chair
2. 12/20/22 10:43 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 12/20/22 10:44 am

Majors

Elective for Majors No

Justification for new course:

This course will be a part of the new graduate certificate in Teacher Leadership that will soon be proposed. This course will be required for that certificate.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments **jpnfd (12/20/22 10:32 am):** Updated Abbreviated Title format, Changed Required for Majors to "No."

Cecil Eng Huang
Chua (cchua):
Approved for
Social Sciences
DSCC Chair

4. 01/11/23 2:47 pm
Jennifer
Pohlsander
(jpnfd): Approved
for Pending CCC
Agenda post

Key: 4909

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 11/22/22 9:47 am

Viewing: **EDUC 5225 : Curriculum Development and Assessment**

File: 4910

Last edit: 12/20/22 10:35 am

Changes proposed by: bakm75

Requested Fall 2023

Effective Change

Date

Department Teacher Education and Certification

Discipline Education (EDUC)

Course Number 5225

Title

Curriculum Development and Assessment

Abbreviated Curriculum

Course Title

Catalog

Description

Curriculum will be analyzed using research-based processes. Teacher leaders will model collaborative and reflective practice based on student data and practice leading teams to do the same. Instructional strategies and assessments that address issues of diversity and equity will be the focus.

Prerequisites

Field Trip

Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0

Total: 3

Required for No

In Workflow

1. **REDUCATION**
Chair

2. **CCC Secretary**

3. **Social Sciences**
DSCC Chair

4. **Pending CCC**
Agenda post

5. **CCC Meeting**
Agenda

6. Campus Curricula
Committee Chair

7. FS Meeting
Agenda

8. Faculty Senate
Chair

9. Registrar

10. CAT entry

11. Peoplesoft

Approval Path

1. 11/22/22 9:49 am

Beth Kania-

Gosche

(bkaniagosche):

Approved for

REDUCATION

Chair

2. 12/20/22 10:42

am

Jennifer

Pohlsander

(jpnfd): Approved

for CCC Secretary

3. 12/20/22 10:43

am

Majors

Elective for No

Majors

Justification for
new course:

This course will be a requirement for the new graduate certificate in Teacher Leadership that will soon be proposed.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer **jpnfd (12/20/22 10:35 am):** Changed Required for Majors to "No."
Comments

Cecil Eng Huang
Chua (cchua):
Approved for
Social Sciences
DSCC Chair

4. 01/11/23 2:48 pm
Jennifer
Pohlsander
(jpnfd): Approved
for Pending CCC
Agenda post

Key: 4910

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 11/22/22 9:48 am

Viewing: **EDUC 5330 : Community-Based Participatory**

Action Research

File: 4911

Last edit: 12/20/22 10:36 am

Changes proposed by: bakm75

Requested	Fall 2023
Effective Change Date	
Department	Teacher Education and Certification
Discipline	Education (EDUC)
Course Number	5330
Title	Community-Based Participatory Action Research
Abbreviated Course Title	Community Research

Catalog

Description

This course will focus on methods for engaging school and community members in research. Students will collaboratively identify research questions, practice data collection techniques, analyze, and report the results.

Prerequisites

Field Trip

Statement

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0
Total: 3				

Required for Majors	No
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In Workflow

1. **REDUCATION Chair**
2. **CCC Secretary**
3. **Social Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**

6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 11/22/22 9:49 am
Beth Kania-Gosche (bkaniagosche): Approved for REDUCATION Chair
2. 12/20/22 10:44 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 12/20/22 10:45 am

Elective for Majors No

Justification for new course:

This course will be a requirement for the new graduate certificate in Teacher Leadership that will soon be proposed.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer **jpnfd (12/20/22 10:36 am):** Changed Required for Majors to "No."
Comments

Cecil Eng Huang
Chua (cchua):
Approved for
Social Sciences
DSCC Chair

4. 01/11/23 2:48 pm
Jennifer
Pohlsander
(jpnfd): Approved
for Pending CCC
Agenda post

Key: 4911

[Preview Bridge](#)

Course Change Request

Date Submitted: 11/28/22 5:57 pm

Viewing: **ENGLISH 1110 : English As A Second Language-I**

File: 1704.1

Last edit: 12/06/22 11:22 am

Changes proposed by: kswenson

Requested Fall 2023 ~~2014~~

Effective Change

Date

Department English and Technical Communication

Discipline English (ENGLISH)

Course Number 1110

Title

English As A Second Language-I

Abbreviated Engl As A Sec Lang

Course Title

Catalog

Description

Elementary English for non-English speakers. Conversation and reading. [Students learn to identify the topics and main ideas of texts, make short presentations, and write clearly organized essays.](#) A study of English recommended for international students during their first semester in the [U.S. United States. Completing English 1110 meets S&T's English language requirement.](#)

Prerequisites

[Prospective international students who meet:](#)

[Missouri S&T's admission requirements except English language proficiency](#)

[One of the following English language proficiency requirements:](#)

[TOEFL iBT: 60 or above](#)

[IELTS: 5.5 or above](#)

[PTE: 50 or above](#)

[Duolingo: 95 or above](#)

Field Trip

Statement

In Workflow

1. **RENLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**

4. **Pending CCC Agenda post**

5. **CCC Meeting Agenda**

6. Campus Curricula Committee Chair

7. FS Meeting Agenda

8. Faculty Senate Chair

9. Registrar

10. CAT entry

11. Peoplesoft

Approval Path

1. 11/28/22 6:02 pm
Kristine Swenson (kswenson):

Approved for
RENLISH Chair

2. 12/14/22 10:56 am

Jennifer Pohlsander (jpnfd): Approved for CCC Secretary

3. 12/14/22 11:17 am

Petra Dewitt (dewittp):

Credit Hours	LEC: 3 0	LAB: 0	IND: 0	RSD: 0
Total:	3 0-6			
Required for Majors	No			
Elective for Majors	No			

Approved for Arts & Humanities
DSCC Chair
4. 01/11/23 2:48 pm
Jennifer Pohlsander
(jpnfd): Approved for Pending CCC Agenda post

Justification for change:

This course will be used as the required "pathway" course for international students who meet all S&T admission requirements except English language proficiency. They may take this alongside other courses and earn academic credit while gaining proficiency so as not to slow down their progress toward a degree. We're also specifying the hours as 3.

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer Comments **jpnfd (12/05/22 2:32 pm):** Updated term to Fall 2023. Standardized prerequisite program.

Key: 1704

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 12/06/22 9:14 am

Viewing: **ENGLISH 1112 : Oral English Communication for International Students**

File: 4918

Last edit: 12/06/22 9:48 am

Changes proposed by: jpnfd

Requested	Fall 2023
Effective Change Date	
Department	English and Technical Communication
Discipline	English (ENGLISH)
Course Number	1112
Title	Oral English Communication for International Students
Abbreviated Course Title	Oral English Comm

Catalog

Description

This course helps students whose primary language is not English to improve their oral communication in English. Students develop a wide range of listening and note-taking strategies, and learn to speak more clearly, fluently, and accurately while enlarging vocabulary, perfecting pronunciation, and developing critical thinking skills.

Prerequisites

Prerequisites: S&T international undergraduate students who meet:
Missouri S&T's admission requirements including English language proficiency
One of the following English language proficiency requirements:
TOEFL iBT: 79 or above
IELTS: 6.5 or above
PTE: 53 or above
Duolingo: 105 or above

Field Trip

In Workflow

1. **RENGLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/06/22 12:02 pm
Kristine Swenson (kswenson): Approved for RENGSLISH Chair
2. 12/14/22 10:56 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 12/14/22 11:18 am
Petra Dewitt

Statement

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0
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Total: 3

Required for Majors	No
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Elective for Majors	No
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(dewittp):

Approved for Arts
& Humanities
DSCC Chair

4. 01/11/23 2:48 pm

Jennifer

Pohlsander

(jpnfd): Approved

for Pending CCC

Agenda post

Justification for

new course:

This course is designed to strengthen the academic readiness in oral English communication for students whose English proficiency is sufficient for matriculation but who wish to earn academic credit while improving their spoken English.

Semesters

n/a

previously

offered as an

experimental

course

Co-Listed

Courses:

Course Reviewer Comments	jpnfd (12/06/22 9:48 am): These courses are necessary for ESL Pathways and should be an exception as new courses without first going through EC process.
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Key: 4918

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 12/06/22 10:21 am

Viewing: **ENGLISH 1115 : Written English Communication Skills for International Students**

File: 4919

Last edit: 12/06/22 10:27 am

Changes proposed by: jpnfd

Requested	Fall 2023
Effective Change Date	
Department	English and Technical Communication
Discipline	English (ENGLISH)
Course Number	1115
Title	Written English Communication Skills for International Students
Abbreviated Course Title	Written English Comm

Catalog

Description

This course helps students whose primary language is not English to enhance their reading and writing skills in English. Students will learn to identify the topics and main ideas of texts. Students learn to produce a research paper.

Prerequisites

Prerequisites: S&T international undergraduate students who meet:
Missouri S&T's admission requirements including English language proficiency
One of the following English language proficiency requirements:
TOEFL iBT: 79 or above
IELTS: 6.5 or above
PTE: 53 or above
Duolingo: 105 or above

Field Trip

Statement

In Workflow

1. **RENGLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/06/22 12:02 pm
Kristine Swenson (kswenson):
Approved for RENGSLISH Chair
2. 12/14/22 10:57 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 12/14/22 11:18 am
Petra Dewitt

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0
Total: 3				
Required for Majors	No			
Elective for Majors	No			

(dewittp):
 Approved for Arts
 & Humanities
 DSCC Chair
 4. 01/11/23 2:48 pm
 Jennifer
 Pohlsander
 (jpnfd): Approved
 for Pending CCC
 Agenda post

Justification for
 new course:

This course is designed to strengthen the academic readiness in written English communication for students whose English proficiency is sufficient for matriculation but who wish to earn academic credit while improving their written English.

Semesters
 previously
 offered as an
 experimental
 course

n/a

Co-Listed
 Courses:

Course Reviewer **jpnfd (12/06/22 10:27 am):** These courses are necessary for ESL Pathways and
 Comments should be an exception as new courses without first going through EC process.

Key: 4919

[Preview Bridge](#)

Course Change Request

Date Submitted: 12/16/22 9:01 am

Viewing: **ENGLISH 3222 : ~~The American~~ Romanticism**

Renaissance

File: 1805.1

Last edit: 12/22/22 11:32 am

Changes proposed by: kswenson

Requested Fall 2023 ~~2014~~

Effective Change

Date

Department English and Technical Communication

Discipline English (ENGLISH)

Course Number 3222

Title

~~The American~~ Romanticism ~~Renaissance~~

Abbreviated ~~The American~~ Romanticism

Course Title ~~Renaissance~~

Catalog

Description

A study of American literature from Poe to Whitman.

Prerequisites

English 1120. ~~English 1120 and a semester of college literature.~~

Field Trip

Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0

Total: 3

Required for No

Majors

Elective for Yes ~~No~~

Majors

In Workflow

1. **RENGLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/16/22 9:02 am
Kristine Swenson (kswenson):
Approved for
RENGLISH Chair
2. 12/22/22 11:32 am
Jennifer Pohlsander (jpnfd): Approved
for CCC Secretary
3. 12/22/22 11:55 am
Petra Dewitt (dewittp):

Justification for
change:

The instructor is concerned that the previous title, American Renaissance, suggests a recent extremist political faction. Prerequisite changed to be consistent with other recent course prereq changes.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Approved for Arts
& Humanities
DSCC Chair
4. 01/11/23 2:49 pm
Jennifer
Pohlsander
(jpnfd): Approved
for Pending CCC
Agenda post

Course Reviewer **jpnfd (12/20/22 11:15 am):** Added punctuation to prerequisite.

Comments **jpnfd (12/22/22 11:32 am):** Per department email 12/22/2022, changed to "Yes"
Elective for Majors.

Key: 1805

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 11/28/22 6:20 pm

Viewing: **ENGLISH 5110 : English as a Second Language**

File: 4913

Last edit: 12/14/22 11:04 am

Changes proposed by: kswenson

Requested Fall 2023

Effective Change

Date

Department English and Technical Communication

Discipline English (ENGLISH)

Course Number 5110

Title

English as a Second Language

Abbreviated English as a Second Lang

Course Title

Catalog

Description

Elementary English for non-English speakers. Conversation and reading. Students learn to identify the topics and main ideas of texts, make short presentations, and write clearly organized essays. A study of English recommended for international graduate students during their first semester in the U.S. Meets S&T's English language requirement.

Prerequisites

Prospective international graduate students who meet:

Missouri S&T's admission requirements except English language proficiency

One of the following English language proficiency requirements:

TOEFL iBT: 60 or above

IELTS: 5.5 or above

PTE: 50 or above

Duolingo: 95 or above

Field Trip

In Workflow

1. **RENLISH Chair**

2. **CCC Secretary**

3. **Arts &**

Humanities DSCC

Chair

4. **Pending CCC**

Agenda post

5. **CCC Meeting**

Agenda

6. Campus Curricula

Committee Chair

7. FS Meeting

Agenda

8. Faculty Senate

Chair

9. Registrar

10. CAT entry

11. Peoplesoft

Approval Path

1. 11/28/22 6:21 pm

Kristine Swenson

(kswenson):

Approved for

RENLISH Chair

2. 12/14/22 11:06

am

Jennifer

Pohlsander

(jpnfd): Approved

for CCC Secretary

3. 12/14/22 11:18

am

Petra Dewitt

(dewittp):

Statement					Approved for Arts & Humanities DSCC Chair 4. 01/11/23 2:49 pm Jennifer Pohlsander (jpnfd): Approved for Pending CCC Agenda post
Credit Hours Total: 3	LEC: 3	LAB: 0	IND: 0	RSD: 0	
Required for Majors	Yes				
Elective for Majors	No				

Justification for new course:

This course will be used as the required "pathway" course for international graduate students who meet all S&T admission requirements except English language proficiency. They may take this alongside other courses and earn academic credit while gaining proficiency so as not to slow down their progress toward a degree. We're also specifying the hours as 3.

It will be a required course for students who do not meet the S&T entrance requirement scores, though not for an English "major."

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer **jpnfd (12/05/22 2:27 pm):** Standardized prerequisite format.
 Comments **jpnfd (12/05/22 2:30 pm):** Updated term to Fall 2023
jpnfd (12/14/22 10:59 am): This course is necessary for ESL Pathways and should be an exception as a new course without first going through EC process.
jpnfd (12/14/22 11:04 am): Corrected description typo.

Key: 4913

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 12/06/22 10:32 am

Viewing: **ENGLISH 5112 : Oral English Communication for International Graduate Students**

File: 4920

Last edit: 12/06/22 10:33 am

Changes proposed by: jpnfd

Requested	Fall 2023
Effective Change Date	
Department	English and Technical Communication
Discipline	English (ENGLISH)
Course Number	5112
Title	Oral English Communication for International Graduate Students
Abbreviated Course Title	Grad Oral English Comm

Catalog

Description

This course helps graduate students whose primary language is not English to improve their oral communication in English. Students develop a wide range of listening and note-taking strategies, and learn to speak more clearly, fluently, and accurately while enlarging vocabulary, perfecting pronunciation, and developing critical thinking skills.

Prerequisites

Prerequisites: S&T international graduate students who meet:
 Missouri S&T's admission requirements including English language proficiency
 One of the following English language proficiency requirements:
 TOEFL iBT: 79 or above
 IELTS: 6.5 or above
 PTE: 53 or above
 Duolingo: 105 or above

In Workflow

1. **RENGLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/06/22 12:02 pm
Kristine Swenson (kswenson): Approved for RENGSLISH Chair
2. 12/14/22 11:07 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 12/14/22 11:19 am
Petra Dewitt

Field Trip
Statement

Credit Hours
Total: 3

Required for
Majors

Elective for
Majors

LEC: 3

LAB: 0

IND: 0

RSD: 0

No

No

(dewittp):

Approved for Arts
& Humanities

DSCC Chair

4. 01/11/23 2:49 pm

Jennifer

Pohlsander

(jpnfd): Approved

for Pending CCC

Agenda post

Justification for
new course:

This course is designed to strengthen the academic readiness in oral English communication for students whose English proficiency is sufficient for matriculation but who wish to earn academic credit while improving their spoken English.

Semesters
previously
offered as an
experimental
course

n/a

Co-Listed
Courses:

Course Reviewer
Comments

jpnfd (12/06/22 10:33 am): This course is necessary for ESL Pathways and should be an exception as a new course without first going through EC process.

Key: 4920

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 12/06/22 10:46 am

Viewing: **ENGLISH 5115 : Written English Communication Skills for International Graduate Students**

File: 4921

Last edit: 12/06/22 10:54 am

Changes proposed by: jpnfd

Requested Fall 2023

Effective Change

Date

Department English and Technical Communication

Discipline English (ENGLISH)

Course Number 5115

Title

Written English Communication Skills for International Graduate Students

Abbreviated Grad Written English Com

Course Title

Catalog

Description

This course helps graduate students whose primary language is not English to enhance their reading and writing skills in English. Students will learn to identify the topics and main ideas of texts. Students learn to produce a research paper.

Prerequisites

Prerequisites: S&T international graduate students who meet:

Missouri S&T's admission requirements including English language proficiency

One of the following English language proficiency requirements:

TOEFL iBT: 79 or above

IELTS: 6.5 or above

PTE: 53 or above

Duolingo: 105 or above

Field Trip

Statement

In Workflow

1. **RENGLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**

4. **Pending CCC Agenda post**

5. **CCC Meeting Agenda**

6. Campus Curricula Committee Chair

7. FS Meeting Agenda

8. Faculty Senate Chair

9. Registrar

10. CAT entry

11. Peoplesoft

Approval Path

1. 12/06/22 12:02 pm

Kristine Swenson (kswenson):

Approved for RENG LISH Chair

2. 12/14/22 11:07 am

Jennifer

Pohlsander

(jpnfd): Approved for CCC Secretary

3. 12/14/22 11:19 am

Petra Dewitt

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0
Total: 3				
Required for Majors	No			
Elective for Majors	No			

(dewittp):
 Approved for Arts
 & Humanities
 DSCC Chair
 4. 01/11/23 2:49 pm
 Jennifer
 Pohlsander
 (jpnfd): Approved
 for Pending CCC
 Agenda post

Justification for
 new course:

This course is designed to strengthen the academic readiness in written English communication for students whose English proficiency is sufficient for matriculation but who wish to earn academic credit while improving their written English.

Semesters
 previously
 offered as an
 experimental
 course

n/a

Co-Listed
 Courses:

Course Reviewer
 Comments **jpnfd (12/06/22 10:54 am):** This course is necessary for ESL Pathways and should be an exception as a new course without first going through EC process.

Key: 4921

[Preview Bridge](#)

Course Change Request

Date Submitted: 01/05/23 7:20 am

Viewing: **HISTORY 4551 : Chicago: Architecture, Technology, Culture**

File: 4272.11

Last approved: 07/28/20 6:00 am

Last edit: 01/05/23 10:52 am

Changes proposed by: bruening

Programs [SCITEC-CTU: UCT - Science, Technology, and Society](#)
referencing this course

Requested [Fall 2023](#) ~~Summer 2020~~

Effective Change Date

Department History and Political Science

Discipline History (HISTORY)

Course Number 4551

Title Chicago: Architecture, Technology, Culture

Abbreviated Chicago

Course Title

Catalog

Description

This course examines the history of modern architecture, including the technological, social, economic, political and cultural dialog by using the city of Chicago as a text. Students will live and have class in the city and tour multiple historic and architectural sites. This is an immersive urban architectural experience for students.

Prerequisites

History [1200 or 1200](#), History [1300 or 1300](#), History 1310.

Field Trip

In Workflow

1. **RHISTORY Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 01/05/23 7:21 am
Michael Bruening (bruening):
Approved for
RHISTORY Chair
2. 01/05/23 10:54 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 01/05/23 10:58 am
Petra Dewitt (dewittp):

Statement

This course is to be held on site in Chicago, normally for 2 weeks after the spring semester, and requires additional travel and lodging costs to be determined each year it is offered.

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0
 Total: 3

Required for No
 Majors

Elective for Yes
 Majors

Justification for
change:

The previous version listed all 3 prerequisite courses as required, since it omitted "or"

Semesters Has been taught 2016 and 2018
 previously
 offered as an Summer 2016 enrollment: 8
 experimental Summer 2018 enrollment: 5
 course

Co-Listed
 Courses:

Course Reviewer **jpnfd (01/05/23 10:52 am):** Updated prerequisite format.
 Comments

Approved for Arts
 & Humanities
 DSCC Chair
 4. 01/11/23 2:50 pm
 Jennifer
 Pohlsander
 (jpnfd): Approved
 for Pending CCC
 Agenda post

History

1. Jul 28, 2020 by
 Jeff Schramm
 (schrammj)

Key: 4272

[Preview Bridge](#)

Course Change Request

Date Submitted: 11/29/22 1:41 pm

Viewing: **PSYCH 6602 : Organizational Development & Employee Perspectives ~~Employee Affect and Behavior~~**

File: 4359.12

Last approved: 05/05/21 6:01 am

Last edit: 12/02/22 8:42 am

Changes proposed by: reynoldscla

Programs [INORGPS-MS: Industrial Organizational Psychology MS](#)
referencing this
course

Requested [Fall 2023](#) ~~Spring 2022~~

Effective Change
Date

Department Psychological Science

Discipline Psychology (PSYCH)

Course Number 6602

Title
[Organizational Development & Employee Perspectives](#) ~~Employee Affect
and Behavior~~

Abbreviated [OD & Employees](#) ~~Affect and~~

Course Title ~~Behavior~~

Catalog

Description

[Students will learn about change management theory, different organizational development interventions, their uses, and how to implement them in an organizational setting. Additionally, theory ~~Theory~~ and research surrounding employee attitudes, emotions, and \[behaviors, particularly as they relate to organizational change\]\(#\) ~~behaviors with an emphasis on antecedents~~ and \[development, will be covered.\]\(#\) ~~outcomes of: job satisfaction, engagement, organizational justice, trait and state positive and negative affect, organizational~~](#)

In Workflow

1. RPSYCHOL Chair
2. CCC Secretary
3. Social Sciences
DSCC Chair
4. Pending CCC
Agenda post
5. CCC Meeting
Agenda
6. Campus Curricula
Committee Chair
7. FS Meeting
Agenda
8. Faculty Senate
Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 11/29/22 1:41 pm
Clair Kueny
(reynoldscla):
Approved for
RPSYCHOL Chair
2. 12/02/22 8:44 am
Jennifer
Pohlsander
(jpnfd): Approved
for CCC Secretary
3. 12/02/22 9:35 am
Cecil Eng Huang
Chua (cchua):
Approved for
Social Sciences
DSCC Chair

~~citizenship, counterproductive work, and proactive behaviors and the Implications for both employees and organizations.~~

Prerequisites

Psych 5020, and either preceded or accompanied by Psych 5202.

Field Trip

Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0

Total: 3

Required for No

Majors

Elective for No

Majors

Justification for

change:

Modification to title and course description provides a better reflection of the content covered in this course so students have a clearer picture when they enroll.

Semesters

previously
offered as an
experimental
course

Co-Listed

Courses:

Course Reviewer **jpnfd (12/02/22 8:42 am):** Explanation of content change per email from Dr. Kueny, Comments
"I would not say that more than 50% of the content is changing - but rather that the content that was already being discussed in the class will now be discussed specifically within the context of organizational development. So all of the same content will be there, but naturally over the years as this class has been taught, the discussions usually end up incorporating student questions and perspectives related to organizational development strategies around employee attitudes and behaviors. I'm trying to make it a more formally incorporated part of the class now and communicate that to students through the updated title and course description."

4. 01/11/23 2:50 pm

Jennifer

Pohlsander

(jpnfd): Approved

for Pending CCC

Agenda post

History

1. Jan 26, 2017 by

Nathan Weidner

(weidnern)

2. Apr 2, 2018 by

weidnern

(4359.4)

3. Jul 13, 2020 by

burnsde (4359.7)

4. May 5, 2021 by

burnsde

(4359.10)

Key: 4359

[Preview Bridge](#)

Course Change Request

Date Submitted: 12/12/22 1:33 pm

Viewing: **TCH COM 4410 : Theory and Practice of
Technical Communication**

File: 1807.6

Last approved: 10/19/15 3:34 am

Last edit: 12/23/22 9:31 am

Changes proposed by: kswenson

Programs
referencing this
course

[TCH COM-BS: Technical Communication BS](#)
[ENGL TC-BS: English & Technical Communication BS](#)

Requested [Fall 2023](#) ~~01/12/2016~~
Effective Change
Date

Department English and Technical Communication

Discipline Technical Communication (TCH COM)

Course Number 4410

Title
Theory and Practice of Technical Communication

Abbreviated Tech Com Theory & Prac
Course Title

Catalog
Description

This capstone course [for ETC majors features student-led](#) ~~enables the student to work on individual and group~~ projects that put into play the theories and practices [relevant to the disciplines](#) of [the department](#). ~~technical communication~~. Students are expected to develop professional portfolios.

Prerequisites

[English 2002, junior standing](#). ~~Tch Com 1600 or English 1600; Tch Com 2540 or English 2540.~~

Field Trip

In Workflow

1. **REGLISH Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 09/09/22 8:57 pm
Kristine Swenson (kswenson):
Approved for
REGLISH Chair
2. 10/05/22 3:52 pm
Jennifer Pohlsander (jpnfd): Rollback to
REGLISH Chair for CCC Secretary
3. 12/12/22 1:30 pm
Kristine Swenson (kswenson):

Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0

Total: 3

Required for Yes ~~No~~
Majors

Elective for No
Majors

Justification for
change:

Updating to reflect the inclusion of English and linguistics as disciplines within ETC that ETC majors may focus on.

We are deactivating this course because we have merged it with ENGL 4290 as our capstone for all majors in ETC.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer

Comments

- jpnfd (10/05/22 3:52 pm):** Rollback: For department re-evaluation.
- kswenson (12/12/22 1:30 pm):** Rollback: don't want this deactivated
- jpnfd (12/21/22 11:42 am):** Updated prerequisite format.
- jpnfd (12/22/22 3:34 pm):** Updated term to Fall 2023
- jpnfd (12/23/22 9:31 am):** Per department email 12-22-22, course will NOT be deactivated.

Key: 1807

Rollback to
Initiator

4. 12/12/22 1:34 pm
Kristine Swenson
(kswenson):
Approved for
RENLISH Chair
5. 12/23/22 10:53
am
Jennifer
Pohlsander
(jpnfd): Approved
for CCC Secretary
6. 12/24/22 10:03
am
Petra Dewitt
(dewittp):
Approved for Arts
& Humanities
DSCC Chair
7. 01/11/23 2:50 pm
Jennifer
Pohlsander
(jpnfd): Approved
for Pending CCC
Agenda post

History

1. Jul 7, 2014 by
kswenson
(1807.1)
2. Oct 19, 2015 by
kswenson
(1807.3)

[Preview Bridge](#)

Program Change Request

New Program Proposal

Date Submitted: 12/12/22 2:09 pm

Viewing: **PROPOSED : Undergraduate Certificate in Education of Young Children**

File: 391

Last edit: 12/12/22 2:09 pm

Changes proposed by: bakm75

Start Term

Fall 2023

Program Code

PROPOSED

Department

Teacher Education and Certification

Title

Undergraduate Certificate in Education of Young Children

Program Requirements and Description

In Workflow

1. REDUCATION Chair
2. CCC Secretary
3. Social Sciences DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 12/12/22 2:10 pm
Beth Kania-Gosche (bkaniagosche): Approved for REDUCATION Chair
2. 12/22/22 4:22 pm
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 12/22/22 5:28 pm
Cecil Eng Huang Chua (cchua): Approved for Social Sciences DSCC Chair
4. 01/11/23 2:50 pm
Jennifer Pohlsander (jpnfd): Approved for Pending CCC Agenda post

Courses in this certificate will explore creation of high quality care for young children, from birth to eight years of age. The certificate courses emphasize engagement of diverse families and collaboration with community resources. The courses in this program are aligned with the Core Competencies for Early Childhood and Youth Development programs for Missouri and Kansas and the national Child Development Associate training requirements.

The on campus childcare center at S&T provides real world experiences for students interested in working with this age group. This certificate would add specialized knowledge of early childhood to existing programs such as elementary teacher certification and psychological sciences. Individuals seeking to manage or work in preschools, daycares, or other educational settings with young children would benefit from this certificate.

Additional courses, including student teaching, are required for the Missouri teaching certificate in early childhood. However, completion of all certificate

courses meets the training requirement for Child Development Associate, a nationally recognized credential. Additional assessments and clock hours in a childcare setting are required for obtaining that credential; this certificate represents only the training completion.

The following courses are required, for a total of 18 credit hours:

EDUC 1055: Introduction to Early Childhood Education

EDUC 1221: Health, Nutrition, and Safety

EDUC 1820: Early Childhood Program Management

EDUC 2440: Observation and Assessment of Young Children

EDUC 2401: School, Family, and Community Partnerships

EDUC 3211: Child Development

Justification for request

Certificate approved by MDHEWD, see attached documents.

Supporting Documents

[CT-UGCT-Education of Young Children.pdf](#)

[MST PC November 2022.pdf](#)

Course Reviewer Comments

Key: 391

Program Change Request

Date Submitted: 11/08/22 10:18 am

Viewing: **ENV SCI-BS : Environmental Sciences BS**

File: 382.15

Last approved: 05/02/22 1:31 pm

Last edit: 12/14/22 4:34 pm

Changes proposed by: verbler

Catalog Pages Using this Program

[Environmental Sciences](#)

Start Term

Fall ~~2022~~ 2023

Program Code

ENV SCI-BS

Department

Biological Sciences

Title

Environmental Sciences BS

Program Requirements and Description

In Workflow

1. **RBIOLSCI Chair**
2. **CCC Secretary**
3. **Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar

Approval Path

1. 11/08/22 10:34 am
David Duvernell (duvernellid): Approved for RBIOLSCI Chair
2. 11/14/22 2:15 pm
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 12/14/22 4:34 pm
Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 01/11/23 2:49 pm
Jennifer Pohlsander (jpnfd): Approved for Pending CCC Agenda post

History

1. Jan 24, 2022 by Nancy Winterburg (nancym)
2. Jan 24, 2022 by Evie Sherlock (esdk3)
3. Jan 24, 2022 by Evie Sherlock (esdk3)
4. May 2, 2022 by Katie Shannon (shannonk)

Bachelor of Science in Environmental Sciences

An Environmental Science degree at Missouri S&T commences with a first-year seminar course that is taken concurrently with an introductory environmental science course, creating familiar student cohorts that can support and motivate one another through the program. Throughout their four years in the program, students are trained in five core areas: economics, biology, geology, environmental engineering, and humanities. In addition, they build foundational skills in mathematics, physical science, and communications. As they progress through the program, students increasingly connect ideas from among and within core areas to build their understanding of the integrated multidisciplinary concepts in environmental science. During their junior and senior years, students will be able to customize their degrees by selecting from a diverse array of elective courses within core areas. The degree's flexible upper division elective choices also allow students to specialize and earn minors in core areas if they choose to do so.

Students apply the skills they learn in the classroom in hands-on laboratory and field courses. Students will finish their senior year with a capstone course that will be designed to engage them in professional development, connect them to career opportunities, hone their research and presentation skills through hands-on projects, and foster lifelong collegial relationships with their peers and instructors through intensive group work.

This curriculum benefits from a flexible design that allows students who may be transitioning from other programs on campus to complete the program in a timely manner. In addition, the degree creates opportunities for students to complete multiple minors within the degree, adding focus and strength to the interdisciplinary foundation.

Freshman Year			
First Semester	Credits	Second Semester	Credits
BIO SCI 1173	3	ENGLISH 1160	3
ENV SCI 1110	1	CHEM 1320 or GEOLOGY 3410	3
CHEM 1310	4	BIO SCI 1223	3
CHEM 1100	1	BIO SCI 1229	1
CHEM 1319	1	MATH 1212 , or 1208 , or 1211 , or 1214	4
ECON 1100	3		
ENGLISH 1120	3		
	16		14
Sophomore Year			
First Semester	Credits	Second Semester	Credits
GEOLOGY 1110	3	BIO SCI 2263	3
ECON 4644	3	HISTORY 1200 , or 1300 , or 1310	3
ECON 4440 or MIN ENG 4523	<u>3</u>	ENV ENG 2602 or CIV ENG 2602	3
ENV ENG 2601 or CIV ENG 2601	3	GEO ENG 3148	3
PHYSICS 1145 or 1135	4	CIV ENG 5640 or ENV ENG 5640	3
POL SCI 1200	3		
	16		15
Junior Year			
First Semester	Credits	Second Semester	Credits
PHILOS 1130	3	HISTORY 4470 , or 2510 , or 3530 , or 3510	3
GEO ENG 5331	3	GEOLOGY 2611	3
ECON 1200	3	PHILOS 4350	3
ENV ENG 5642 or CIV ENG 5642	3	STAT 3425 , or 3115 , or GEO ENG 4115	3-4
ECON 4540 , or MIN ENG 4524 , or CHEM ENG 4540	<u>3</u>	BIO SCI 2223	3
BIO SCI 4313	3		
	15		15-16

Senior Year

First Semester	Credits	Second Semester	Credits
GEOLOGY 4310 , or GEO ENG 2536 , or GEO ENG 5144	3	FREE ELECTIVES	3
FREE ELECTIVES	2	ENV SCI 4028	3
UPPER DIVISION ELECTIVES ¹	9	UPPER DIVISION ELECTIVES ¹	9
	14		15
Total Credits: 120-121			

1

See Upper Division Elective Course List

Upper Division Elective Course List

BIO SCI 2242	Cave Biology	2
BIO SCI 2252	Vegetation of the Ozarks	2
BIO SCI 2264	Field Ecology	2
BIO SCI 2353	Zoology	3
BIO SCI 2372	Issues in Public Health	3
BIO SCI 2383	Plant Biology	3
BIO SCI 2389	Plant Biology Laboratory	1
BIO SCI 3353	Comparative Vertebrate Anatomy	4
BIO SCI 4316	Introduction to Geomicrobiology	3
BIO SCI 4363	Freshwater Ecology	3
BIO SCI 4663	Animal Behavior	<u>3</u>
BIO SCI 4369	Freshwater Ecology Laboratory	<u>1</u>
BIO SCI 4316	Introduction to Geomicrobiology	<u>3</u>
BIO SCI 4099	Undergraduate Research	<u>1-3</u>
BIO SCI 3363	Ecophysiology	<u>3</u>
BIO SCI 2359	Zoology Laboratory	<u>1</u>
BIO SCI 5423	Advanced Biodiversity	<u>3</u>
BIO SCI 5443	Population and Conservation Genetics	<u>3</u>
BIO SCI 4383	Toxicology	3
BIO SCI 4423	Introduction to Astrobiology	3
BIO SCI 4563	Global Ecology	3
ECON 4540	Energy Economics	3
ECON 4440	Environmental And Natural Resource Economics	3
ECON 4643	Ethical Problems in a Global Environment	3
ECON 4642	Introduction to Global Eco- and Social-preneurship and Innovation	<u>3</u>
MIN ENG 5742	Environmental Aspects of Mining	<u>3</u>
ECON 5644	Creativity, Innovation, and Sustainability	3
CHEM 4710	Principles Of Environmental Monitoring	3
ENV ENG 3615	Water And Wastewater Engineering	3
ENV ENG 5605	Environmental Systems Modeling	3
ENV ENG 5630	Remediation of Contaminated Groundwater And Soil	3
ENV ENG 5635	Phytoremediation and Natural Treatment Systems: Science and Design	3
ENV ENG 5660	Introduction To Air Pollution	3

ENV ENG 5662	Air Pollution Control Methods	3
GEOLOGY 4310	Remote Sensing Technology	3
GEOLOGY 4411	Hydrogeology	3
GEOLOGY 4711	Paleoclimatology and Paleoecology	3
GEOLOGY 4721	Meteorology and Climatology	3
GEOLOGY 5681	Lidar Principles and Application	3
GEOLOGY 5741	Micropaleontology	3
GEO ENG 4115	Statistical Methods in Geology and Engineering	3
GEO ENG 4276	Environmental Aspects Of Mining	3
GEO ENG 5233	Risk Assessment In Environmental Studies	3
ENV ENG 5650	Public Health Engineering	<u>3</u>
ENV ENG 4609	Research in Environmental Engineering	<u>1</u>
ENV ENG 4099	Undergraduate Research	<u>0-6</u>
ENV ENG 4010	Senior Seminar: Engineering In A Global Society	<u>1</u>
CIV ENG 5605	Environmental Systems Modeling	<u>3</u>
CIV ENG 5630	Remediation of Contaminated Groundwater and Soil	<u>3</u>
CIV ENG 5635	Phytoremediation and Natural Treatment Systems: Science and Design	<u>3</u>
CIV ENG 5650	Public Health Engineering	<u>3</u>
CIV ENG 5660	Introduction To Air Pollution	<u>3</u>
CIV ENG 5665	Indoor Air Pollution	<u>3</u>
CIV ENG 5662	Air Pollution Control Methods	<u>3</u>
ENV ENG 5665	Indoor Air Pollution	<u>3</u>
GEO ENG 4099	Undergraduate Research	<u>0-6</u>
GEO ENG 5085	Internship	<u>0-15</u>
GEO ENG 5146	Applications Of Geographic Information Systems	<u>3</u>
GEO ENG 5174	Geological Engineering Field Methods	<u>3</u>
GEO ENG 5239	Groundwater Remediation	<u>3</u>
GEO ENG 5276	Advanced Environmental Aspects Of Mining	<u>3</u>
GEO ENG 5320	Groundwater Modeling	<u>3</u>
GEO ENG 5332	Fundamentals of Groundwater Hydrology	<u>3</u>
GEO ENG 5556	Renewable Energy Systems	<u>3</u>
GEOLOGY 2096	Field Geology	<u>3</u>
GEOLOGY 2731	Introduction to Planetary Science	<u>3</u>
GEOLOGY 4085	Internship	<u>3</u>
GEOLOGY 4099	Undergraduate Research	<u>0-6</u>
GEOLOGY 4411	Hydrogeology	<u>3</u>
GEOLOGY 4421	Radioactive Waste Management And Remediation	<u>3</u>
GEOLOGY 4431	Methods Of Karst Hydrogeology	<u>3</u>
GEOLOGY 4711	Paleoclimatology and Paleoecology	<u>3</u>
GEOLOGY 4721	Meteorology and Climatology	<u>3</u>
GEOLOGY 4841	Geological Field Studies	<u>3</u>
GEOLOGY 5681	Lidar Principles and Application	<u>3</u>
GEOLOGY 5741	Micropaleontology	<u>3</u>

POL SCI 4320	Policy for Science, Technology, and Innovation	3
POL SCI 4085	Political Science Internship	0-6
POL SCI 3300	Principles Of Public Policy	3
ECON 4085	Internship	0-6
ECON 4641	Foundations of Sustainability	3

Justification for request

ECON 1200 no longer is necessary to meet the pre-requisites for the required economics courses for this degree. We added ECON 4540 as a replacement, so the total number of hours in the department is not decreased

The ECON course that was deleted and replaced by ECON 4440 is no longer offered by the ECON department. These courses have similar environmental themes.

Remote sensing is co-listed as GEO ENG 5144 and GEOL 4310, so we added the numbers. We added GEO ENG 2536 because of the fundamental nature of atmospheric science to Environmental science curriculum.

We added additional calculus alternative course numbers to reflect changes in the class numbering.

We added engineering statistics (STAT 3115) because many of the transfers to the program have this course and it provides equivalent material to biostatistics (STAT 3425).

We added GEOLOGY 3410 (Geochemistry) as an alternative to CHEM 1320 (Gen Chem 2) since this the current pathway that Geology majors take and we found it acceptable, since Gen Chem 2 is the last required chemistry course in our curriculum.

Co-listed courses also added as alternatives.

Electives added to update current list and to add co-listed courses.

Supporting Documents

Course Reviewer Comments

jpnfd (11/14/22 11:50 am): Updated formatting in Plan of Study Grid

jpnfd (11/14/22 2:14 pm): Updated term to Fall 2023

shannonk (12/14/22 4:34 pm): Math 1221 was removed after comments from DSCC and email from Dr. Verble

Key: 382

Course Change Request

New Experimental Course Proposal

Date Submitted: 01/04/23 11:43 am

Viewing: **ALP 2001.003 : The Global Village**

File: 4928

Last edit: 01/09/23 2:36 pm

Changes proposed by: esdk3

Requested	Summer 2023
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Arts, Languages & Philosophy (ALP)
Course Number	2001
Topic ID	003

Experimental
Title

The Global Village

Experimental The Global Village

Abbreviated

Course Title

Instructors Audra Merfeld-Langston

Experimental

Catalog

Description

This course will introduce students to the concept of global citizenship by exploring connections between language, culture (broadly defined), and identity. While learning about diverse communities and practices, students will develop intercultural communication competency and critical thinking skills.

Prerequisites

Field Trip

Statement

In Workflow

1. **RPHILOSO Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. CAT entry
8. Registrar

Approval Path

1. 01/04/23 12:20 pm
Audra Merfeld-Langston
(audram):
Approved for RPHILOSO Chair
2. 01/09/23 8:04 am
Jennifer Pohlsander
(jpnfd): Approved for CCC Secretary
3. 01/09/23 9:04 am
Petra Dewitt
(dewittp):
Approved for Arts & Humanities DSCC Chair
4. 01/11/23 2:46 pm
Jennifer

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0
 Total: 3

Pohlsander
 (jpnfd): Approved
 for Pending CCC
 Agenda post

Justification for
 new course:

Course was previously listed as requiring travel abroad. We are changing the course to be able to offer it on campus.

Semester(s)
 previously taught

FA 2018, FA 2008, FA 2009

Co-Listed
 Courses:

Course Reviewer
 Comments

jpnfd (01/06/23 8:38 am): This course was previously listed as ALP 2001.001. The system would not allow us to edit ALP 2001.001 on the EC form so it is being submitted with updates as ALP 2001.003

esdk3 (01/09/23 2:36 pm): Change is due catalog description/removal of travel abroad component: Old/existing course description: "Via coursework and travel abroad, this course will introduce students to the concept of global citizenship. Course goals include improving intercultural communication, critical thinking, and entrepreneurial skills, and preparing to be competent in the global workforce. The specific course focus will vary according to the study abroad travel destination." Hours not changed; -is currently 3 (LEC)

Key: 4928

[Preview Bridge](#)

Course Change Request

New Experimental Course Proposal

Date Submitted: 11/04/22 4:03 pm

Viewing: **FRENCH 3001.002 : Sci-Fi, Steampunk, Space Operas, & the French-Speaking World**

File: 4906

Last edit: 12/01/22 2:44 pm

Changes proposed by: audram

Requested	Summer 2023
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	French (FRENCH)
Course Number	3001
Topic ID	002
Experimental Title	Sci-Fi, Steampunk, Space Operas, & the French-Speaking World
Experimental Abbreviated Course Title	French Science Fiction
Instructors	Courtney Webster

Experimental Catalog Description

This course delves into Francophone science fiction in written and visual forms, which share a fascination with humanity's (d)evolution. We will explore fantastical, futuristic and steampunk landscapes while chronicling the science, technology and magic therein. Themes may include heroism, AI, values, and ethics in works by various authors and artists.

Prerequisites

Any 2000-level French course.

In Workflow

1. **RPHILOSO Chair**
2. **CCC Secretary**
3. **Arts & Humanities DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. CAT entry
8. Registrar

Approval Path

1. 11/04/22 4:04 pm
Audra Merfeld-Langston (audram): Approved for RPHILOSO Chair
2. 11/14/22 2:14 pm
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 11/14/22 3:44 pm
Petra Dewitt (dewittp): Rollback to RPHILOSO Chair for Arts & Humanities DSCC Chair
4. 11/30/22 2:42 pm

Field Trip
Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0
Total: 3

Justification for
new course:

We are expanding the repertoire of upper-level French courses to address students' needs, especially with our new emphasis areas in the Multidisciplinary Studies degree: 1) French Language & French-Speaking Cultures and 2) Global Engineering.

Semester(s)
previously taught

Co-Listed
Courses:

ALP 3001 - Special Topics

Course Reviewer
Comments

- jpnfd (11/14/22 9:54 am):** Updated prerequisite format. Added Topic ID number.
- dewittp (11/14/22 3:44 pm):** Rollback: Co-listed course must have the same prerequisite requirements as parent course.
- audram (11/30/22 2:41 pm):** I have revised the prerequisites according to the instructions.
- jpnfd (12/01/22 2:44 pm):** Updated prerequisite format.

Audra Merfeld-
Langston
(audram):
Approved for
RPHILOSO Chair

5. 12/01/22 2:57 pm

Jennifer

Pohlsander

(jpnfd): Approved
for CCC Secretary

6. 12/02/22 8:47 am

Petra Dewitt

(dewittp):

Approved for Arts
& Humanities

DSCC Chair

7. 01/11/23 2:50 pm

Jennifer

Pohlsander

(jpnfd): Approved
for Pending CCC
Agenda post

Key: 4906

[Preview Bridge](#)

Course Change Request

New Experimental Course Proposal

Date Submitted: 10/03/22 2:52 pm

Viewing: **GEOLOGY 2001.001 : Climate Change and Society**

File: 4902

Last edit: 10/06/22 8:09 am

Changes proposed by: johfb

Requested	Fall 2023
Effective Change Date	
Department	Geosciences and Geological and Petroleum Engineering
Discipline	Geology (GEOLOGY)
Course Number	2001
Topic ID	001
Experimental Title	Climate Change and Society
Experimental Abbreviated Course Title	Climate Change
Instructors	Jonathan Obrist-Farner

Experimental

Catalog

Description

Introduction to fundamentals of natural and anthropogenic climate change, covering the basics of the climate system, weather and climate phenomena, the greenhouse effect, and climate feedbacks. We will look at past and present climate change, how climate variations have affected human evolution and modern society, and future mitigation strategies.

Prerequisites

In Workflow

1. **RGEOENG Chair**
2. **CCC Secretary**
3. **Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. **CCC Meeting Agenda**
6. Campus Curricula Committee Chair
7. CAT entry
8. Registrar

Approval Path

1. 10/04/22 12:10 pm
Jeff Cawlfeld (jdc): Approved for RGEOENG Chair
2. 10/06/22 2:41 pm
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 12/14/22 4:32 pm
Katie Shannon (shannonk): Approved for Sciences DSCC Chair
4. 01/11/23 2:50 pm
Jennifer Pohlsander (jpnfd): Approved

for Pending CCC
Agenda post

Field Trip
Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Justification for new course: Scientists attribute the global warming trend to the human expansion of greenhouse gases and climate change will be one of the greatest challenges for society in the coming future. This class will cover fundamentals of climate change so that our students can be educated on the topic.

Semester(s) previously taught

N/A

Co-Listed Courses:

ENV ENG 2001 - Special Topics
GEO ENG 2001 - Special Topics
BIO SCI 2001 - Special Topics

Course Reviewer Comments **jpnfd (10/06/22 8:09 am):** Assigned topic ID number. Added capitalization to course title and abbreviated course title.

Key: 4902

[Preview Bridge](#)