WICHITA STATE
COLLEGE OF EDUCATION

Summer 2016
STEM
PROFESSIONAL LEARNING COURSES
(Graduate Level)
Table of Contents

Wichita State University College of Education
Professional Learning Courses

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Enhancing Science Instruction through STEM Education for the K-8 Classroom

CRN: 32976  Course#: CI 751AB  Dates: June 13, 14, 15, 16, 17  Time: 8:30 AM-4:20 PM  Location: Corbin Education
Instructor: Shari Hatfield  Credits: 3  Tuition: $420.00
Audience: Elementary, Special Education  Delivery: WSU Main Campus

Course Description: STEM education incorporates Science, Technology, Engineering and Mathematics into the science curriculum. Anticipating a significant increase in the percentage of STEM careers over the next 4 years, the National Science Foundation and the Federal Government has placed an emphasis on improving STEM education in the K-12 Classroom. Professional learning course participants will utilize the NGSS standards to develop and present STEM activities appropriate for the elementary classroom. Throughout the professional learning course participants will learn the foundations of STEM education as well as engage in hands-on STEM activities. Participants will apply the foundations of STEM education and the NGSS standards to develop high quality engaging science lessons. Technology will be used as a presentation tool as well as a method to collect and analyze science data and activities. Applications such as Ubersense will be used to analyze motion based activities. The ultimate goal is for each participant to leave with workable knowledge and resources to develop STEM activities for their Elementary Classroom.

Inquiry Learning for the K-8 Science Classroom

CRN: 32977  Course#: CI 751AC  Dates: July 25, 26, 27, 28, 29  Time: 8:30 AM-4:20 PM  Location: Corbin Education
Instructor: Shari Hatfield  Credits: 3  Tuition: $420.00
Audience: Elementary, Special Education  Delivery: WSU Main Campus

Course Description: Inquiry based education is a powerful instructional strategy that has shown increases in intellectual engagement as well as fostering deep understanding through the development of hands-on and minds-on science activities. The 5E learning model develops the natural curiosity of elementary students to provide an inquiry mentality of learning science. Using the NGSS standards as the foundation, participants will learn to analyze or dissect the standards for critical content and develop engaging science lessons. Throughout the professional learning course, participants will have the opportunity to observe elementary
science activities that correlate to the NGSS standards and are presented in an “activity before concept” method. The professional learning course will present the instructional foundations of the 5E learning model. Additionally participants will have the opportunity to engage in science activities presented in the 5E learning model. Each participant will develop and present a science activity that utilizes the 5E learning model. Ultimately, participants will learn to read the standards and utilize the information to develop lessons/science activities in the 5E learning model.

### Integrating STEM in the Primary Classroom

**CRN:** 32985  
**Course#:** CI 751AL  
**Dates:** June 6-10  
**Time:** 8:30AM-4:20 PM  
**Location:** Corbin Education  
**Instructor:** Dr. Ashlie Jack, Greg Novacek, Dr. Soon Chun Lee  
**Credits:** 2  
**Tuition:** $280.00  
**Audience:** Primary-level Elementary Teachers  
**Delivery:** WSU Main Campus

**Course Description:** This 5-day professional learning course is a professional learning opportunity aimed to increase student success in science by focusing on the implementation of integrated STEM in the primary classroom through the STEM Professional Partnership Program (SP3). Participants will increase their (1) confidence in implementing iSTEM instruction and content knowledge, (2) instructional level of iSTEM pedagogical skills leading to effective lessons utilizing the 5E process, (3) knowledge and factors in discourse, assessment, and curriculum to apply Kansas College and Career Ready Standards for the Next Generation of Science Standards in their instructional practice, and (4) focus on STEM instructional practices to increase student attitude toward science, technology, engineering, and math learning. Participants will then have the opportunity to work with a STEM Success Coach (SSC) during the school year by enrolling for an additional graduate credit.

### Integrating STEM in the Intermediate Classroom

**CRN:** 32986  
**Course#:** CI 751AM  
**Dates:** June 20-24  
**Time:** 8:30 AM – 4:20 PM  
**Location:** Corbin Education  
**Instructor:** Dr. Ashlie Jack, Greg Novacek, Dr. Soon Chun Lee  
**Credits:** 2  
**Tuition:** $280.00  
**Audience:** Intermediate-level Elementary Teachers  
**Delivery:** WSU Main Campus

**Course Description:** This 5-day course is a professional learning opportunity aimed to increase student success in science by focusing on the implementation of integrated STEM in the intermediate classroom through the STEM Professional Partnership Program (SP3). Participants will increase their (1) confidence in implementing iSTEM instruction and content knowledge, (2) instructional level of iSTEM pedagogical skills leading to effective lessons utilizing the 5E process, (3) knowledge and factors in discourse, assessment, and curriculum to apply Kansas College and Career Ready Standards for the Next Generation of Science Standards in their instructional practice, and (4) focus on STEM instructional practices
to increase student attitude toward science, technology, engineering, and math learning. Participants will then have the opportunity to work with a STEM Success Coach (SSC) during the school year by enrolling for an additional graduate credit.

Graduate School Enrollment

**Wichita State University College of Education**
**Professional Learning Courses**

1. **If you are not a Wichita State Graduate Student**
   - As soon as you decide you would like to earn Graduate credit for the course, please go to [http://apply.wichita.edu](http://apply.wichita.edu) and click the option to Create Account.
   - Fill out the required fields and make note of the password and secret question/answer you create.
   - In the section Program Information, fill it out as in the example below:

   ![Program Information](image)

   - Once you have created an account click the option to Apply Online
   - Select the Graduate School Domestic - $50 application option.
   - Answer all of the required questions on the application. To aid in the processing of your admission, if you are a licensed teacher in the State of Kansas, please include your Social Security Number, OR your Teacher ID number and your name as it appears on your teaching license. We will use this information to verify your licensure for admissions purposes.
   - On the section marked Semester and Program Area, please make the selections as shown in the example below. (see page 12)
• Near the end of the application is a section for Additional Information, which includes a free-type box. To ensure your application is processed as quickly as possible, please enter the text 2016 Professional Learning Courses (instead of 2016 AP Summer Institute). If you wish to provide your Teacher ID instead of your SSN, please enter it in the same box. See example below.

• Once you have answered all of the required questions and have submitted the application and the $50 application fee, our staff will be able to access the application and process it for admission.

• If you are a licensed teacher in the State of Kansas, we will be able to process your admission quickly and will email you with information on how to activate your myWSUID so you can register online for the course.
• If you are not a licensed teacher, or are licensed in another state, we will provide a provisional admission that will allow you to enroll, but you will need to provide one of the following to finalize your admission:
  ➢ Submit a photocopy of your current teaching license from your state by email to wsugradschool@wichita.edu OR by fax to 316-978-3253 OR
  ➢ Submit an official transcript from the school where you earned your bachelor’s degree. Transcripts can be sent by email directly from the institution if they use an approved e-transcript vendor, or can be sent by mail. Issued to student transcripts can be accepted if they are official, and are in an envelope sealed by the issuing institution. E-transcripts can be sent to wsugradschool@wichita.edu Mailed transcripts can be sent to:
    The Graduate School
    Wichita State University
    1845 Fairmount
    Wichita KS 67260-0004

Note – failure to provide the required documentation will result in a hold being placed on your records that will prevent transcripts from being issued or future enrollment, so please make sure to send the required materials as soon as possible!

☐ Wait for an email from the admissions staff or Registrar. If you haven’t heard anything in a couple of days, check your spam/junk mail folders to make sure the email was not misdirected.
  • Once your application has been fully processed, the admissions staff will email you to let you know you have been admitted. They will also provide you with your myWSU ID number, and instructions on how to activate your ID. Please follow those instructions to access your myWSU account.
  • If you reactivated your WSU record, you will be emailed when that process is complete.
  • You will use your WSU ID to log into myWSU to enroll in classes and to access Blackboard and set up your university-provided email account, etc.
  • You will be provided a WSU email address. This email address will be used to send all future WSU correspondence, including information about classes, tuition, etc. If you wish, you can set up your myWSU email account to automatically forward incoming emails to a different email account so you don’t miss any important emails.

Please contact the Graduate School with specific transcript/application questions, Graduate School, wsugradschool@wichita.edu, (316) 978-3095

2. If you are a Wichita State Graduate Student
  • If you have been admitted/enrolled as a graduate student in the past, but it has been a while (2 years or more) since you attended WSU, go to www.wichita.edu/reactivation to reactivate your record.
• If it has only been a year or two since you took a WSU class, then you should be able to log in to myWSU by managing your password (it expires every 90 days, so your old one won’t work anymore, but you can set a new one).

Contact WSU Registrar’s Office (316-978-3055) if you have questions.

Enrollment Procedures

Wichita State University College of Education
Professional Learning Courses

Once you are admitted to WSU and have a myWSU ID number you will follow these steps:
1. Go to http://mywsu.wichita.edu/
2. Choose Log in to myWSU
3. Choose the My Classes Tab at the top of the page
4. In the far right column choose ‘Add or Drop Classes’
5. Select Summer 2016 from the drop down menu from ‘Select a term’ tab and hit submit
6. At this point you will add the class by entering the CRN number for the course.

Please Note: Enrollment for these courses begins April 4th.
You must be accepted as a WSU graduate student (p. 11) in order to begin enrollment.

Professional Course Information

Wichita State University College of Education
Professional Learning Courses

Audience: All professional learning courses are offered for graduate-level credit & available to educators seeking re-licensure, salary advancement, or professional development opportunities. Graduate students may also select professional learning courses, with advisor consent, for elective credits as part of the Master of Education in Learning and Instructional Design program (http://www.wichita.edu/MEdLID).

Dropping a Course: If you need to drop a course, please follow these steps:
1. Go to http://mywsu.wichita.edu/
2. Choose Log in to myWSU
3. Select Add or Drop Classes from the Registration Tools channel.
   (If prompted, select a registration term from the drop down box and click the Submit button.)
4. Next to the class you wish to drop or withdraw from, select the appropriate option from the Action drop down box.
5. Click the Submit Changes button.
Note: If you are not allowed to drop any classed listed under Current Schedule, contact the Registrar’s Office for assistance.

Cancelled Classes: On rare occasions or due to special circumstances, Graduate Professional Learning Courses may be cancelled. Cancellations may occur as a result of low enrollment or inclement weather. You will be notified by the University Registrar and Wichita State College of Education of a cancellation by email or phone call. A full refund will be administered in such circumstances.

Location of Courses: All courses will take place at Wichita State University Main Campus – 1845 Fairmount, Wichita, KS 67260 – in Corbin Education, Hubbard Hall, or Heskett Center. The College of Education is located at 21st & Yale between Cessna and Eck Stadium.
http://www.wichita.edu/thisis/aboutus/maps_and_directions.asp

Official WSU Transcript Request: To receive an official transcript of academic work at Wichita State University you must turn in a transcript request. Please visit http://webs.wichita.edu/?u=registrar&p=/transcripts/ . It is recommended to view your unofficial transcript through Self-Service Banner prior to requesting an official transcript. For any transcript questions, please contact the University Registrar at (316) 978-3055 or email Transcripts.Out@wichita.edu.

Parking: Wichita State University’s main campus is a permit-only parking environment. WSU students, faculty and staff must purchase and display a color-coded parking permit to legally park on the main campus. Permits are required from 7 a.m.-5 p.m. Monday through Friday in green and green/yellow lots and from 7 a.m.-6 p.m. in yellow lots. Permits are not required to park on campus on weekends or on days when classes are not in session. Vehicles parked on campus during enforcement hours without a proper permit will be ticketed by the Wichita State University Police Department.


Parking Shuttle: Students, faculty and staff who decline to pay for parking permits may choose to ride the free WSU Shuttle System buses from satellite lots at the Hughes Metropolitan Complex at 29th Street or from a new WSU-leased parking lot at 21st Street and Oliver. For further information, www.wichita.edu/parking.

Payment Information:

<table>
<thead>
<tr>
<th>Bills Available</th>
<th>Mid -May</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last day for 100% refund for Pre-Session courses</td>
<td>May 23</td>
</tr>
<tr>
<td>Last day for 60% refund for Pre-Session courses</td>
<td>May 24</td>
</tr>
<tr>
<td>Last day for 40% refund for Pre-Session courses</td>
<td>May 25</td>
</tr>
</tbody>
</table>
Financial Aid funds begin disbursing toward student bills and excess financial aid is deposited into student’s bank accounts if you have entered your account information into your Student Account Suite. To set up Direct Deposit, go to [http://mywsu.wichita.edu](http://mywsu.wichita.edu), select the "My Account" tab, then Student Account Suite. Once you are in the suite, click on eRefunds and select "Set up Account", enter your bank account information in the correct fields and continue.

<table>
<thead>
<tr>
<th>Event Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginning of Financial Aid check mailing if direct deposit has not been set up</td>
<td>June 2</td>
</tr>
<tr>
<td>Last day for 100% refund for first 4-week courses</td>
<td>June 6</td>
</tr>
<tr>
<td>Last day for registered students to make payment arrangements before $100 late fees are assessed to accounts with a $150 or more balance.</td>
<td>June 8</td>
</tr>
<tr>
<td>Last day for 80% refund for first 4-week course</td>
<td>June 8</td>
</tr>
<tr>
<td>Last day for 100% refund for 8-week course</td>
<td>June 8</td>
</tr>
<tr>
<td>Last day for 60% refund for first 4-week courses $100 late fees assessed to accounts with a $150 or more balance.</td>
<td>June 9</td>
</tr>
<tr>
<td>Last day for 80% refund for 8-week courses</td>
<td>June 10</td>
</tr>
<tr>
<td>Last day for 40% refund for first 4-week courses</td>
<td>June 13</td>
</tr>
<tr>
<td>Last day for 60% refund for 8-week courses</td>
<td>June 15</td>
</tr>
<tr>
<td>Tuition Payment Plan &amp; Housing Payment Plan - 1st Payment Due</td>
<td>June 15</td>
</tr>
<tr>
<td>Last day for 40% refund for 8-week courses</td>
<td>June 22</td>
</tr>
<tr>
<td>Last day for 100% refund for second 4-week courses</td>
<td>July 5</td>
</tr>
<tr>
<td>Last day for 80% refund for second 4-week courses</td>
<td>July 7</td>
</tr>
<tr>
<td>Last day for 60% refund for second 4-week courses</td>
<td>July 8</td>
</tr>
<tr>
<td>Independence Day Holiday - Office Closed</td>
<td>July 4</td>
</tr>
<tr>
<td>Last day for 40% refund for second 4-week courses</td>
<td>July 12</td>
</tr>
<tr>
<td>Tuition Payment Plan &amp; Housing Payment Plan - Final Payment Due</td>
<td>July 15</td>
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</tbody>
</table>

**Professional Learning Course Selection:** A course previously taken for credit may not be repeated. Please check with your school’s district administrator or Professional Development Committee (PDC) to ensure professional learning course selections meet re-licensure requirements.

**Tuition:** Tuition is $140 per credit hour for on campus professional learning course.

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**WSU Contact Information**

<table>
<thead>
<tr>
<th>Department</th>
<th>Email Address</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curriculum &amp; Instruction</td>
<td><a href="mailto:angela.aubrey@wichita.edu">angela.aubrey@wichita.edu</a></td>
<td>(316) 978-3577</td>
</tr>
<tr>
<td>Accounts Receivable</td>
<td><a href="mailto:WSUAccountsReceivable@wichita.edu">WSUAccountsReceivable@wichita.edu</a></td>
<td>(316) 978-3333</td>
</tr>
<tr>
<td>Financial Aid</td>
<td><a href="mailto:finaid@wichita.edu">finaid@wichita.edu</a></td>
<td>(316) 978-3430</td>
</tr>
<tr>
<td>Graduate School</td>
<td><a href="mailto:wsugradschool@wichita.edu">wsugradschool@wichita.edu</a></td>
<td>(316) 978-3095</td>
</tr>
</tbody>
</table>
If you have any issues with Wichita State University College of Education Professional Learning Courses, please contact Dr. Ashlie Jack, College of Education Assistant Dean/Accreditation Officer, by phone (316-978-3589) or email (Ashlie.jack@wichita.edu).