

**CHANGE UNDERGRADUATE DEGREE PROGRAM**

**PLEASE NOTE:** To ensure that a series of changes to an existing degree program does not essentially create a new program, the Southern Association for the Accreditation of Colleges and Schools (SACS) requires submission of its Substantive Change Checklist for every program change. Prior to college-level review, you must fill out and submit the [SACS Substantive Change Checklist](#) to the Office of Institutional Effectiveness. Contact Institutional Effectiveness ([institutionaleffectiveness@uky.edu](mailto:institutionaleffectiveness@uky.edu)) for assistance.

Once approved at the college level, your college will send the proposal to the appropriate Senate academic council (HCCC and/or UC) for review and approval. Once approved at the academic council level, the academic council will send your proposal to the Senate Council office for additional review and then a 10-day posting online, during which senators review on their own and have an option to register an objection if they so desire. If no objection is raised to the Senate Council Office within ten days of the posting the proposal, then the program change is approved. The Senate Council Office will report approvals to the Provost, Registrar and other appropriate entities, including the contact person.

For every proposed change, you MUST also include the existing requirement.

<b>SUMMARY OF CHANGES</b>						
<b>Check all that apply.</b>						
<input checked="" type="checkbox"/> Courses	<input type="checkbox"/> Program name	<input type="checkbox"/> Total required credit hours	<input type="checkbox"/> Student learning outcomes			
<input type="checkbox"/> Criteria for admissions/progression/termination		<input type="checkbox"/> Certificate assessment	<input type="checkbox"/> Other			
<b>1. General Information</b>						
1a	Date of contact with Institutional Effectiveness (IE) <sup>1</sup> :		10.06.2016			
	<input checked="" type="checkbox"/> Appended to the end of this form is a PDF of the reply from Institutional Effectiveness.					
1b	College <sup>2</sup> :	Education	Department <sup>2</sup> :	Curriculum and Instruction		
1c	CIP code <sup>3</sup> :	13.1318	Today's Date:	10.10.16		
1d	Current major name: (Biology, Design, etc.)	Secondary Education Social Studies - Economics Major	Proposed major name:			
1e	Current Degree (BA, BFA, etc.):	BA	Proposed degree:			
1f	Will there be any changes regarding a track(s) for the program?				Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
1g	Accrediting agency, if applicable:	Southern Association for the Accreditation of Colleges and Schools (SACS)				
1h	Date of most recent periodic program review for this degree:		2011-2012			
1i	Requested effective date:	<input checked="" type="checkbox"/> Fall semester following approval.	OR	<input type="checkbox"/> Specific Date <sup>4</sup> : <i>Fall 20</i>		

<sup>1</sup> Prior to college-level review, you must fill out and submit the SACS Substantive Change Checklist to the Office of Institutional Effectiveness. You can reach Institutional Effectiveness by phone or email (257-2873 or [institutionaleffectiveness@uky.edu](mailto:institutionaleffectiveness@uky.edu)).

<sup>2</sup> It is not possible to change the home academic unit of a degree program via this form. To change the home unit, visit <http://www.uky.edu/faculty/senate> and search for forms related to academic organizational structure.

<sup>3</sup> The CIP code is provided by Institutional Effectiveness. If a different CIP code is necessary, the program may undergo a review similar to the new program approval process.

<sup>4</sup> No program change(s) will be effective until all approvals are received.

CHANGE UNDERGRADUATE DEGREE PROGRAM

1j	Contact person name:	Kathy Swan	Phone / Email:	kswan@uky.edu / 257-1893
----	----------------------	------------	----------------	--------------------------

**2. Overview of Changes**

2a Describe the rationale for the changes, including results from the most recent program review if applicable. (450 word limit)

The program changes reflect course changes in the A & S's Department of Economics and provide our students with greater flexibility in course selection within their major/minor areas. Students in our undergraduate social studies education program were needing exceptions or course substitutions because of course changes in economics. Also, the College is switching to the advising system MYUKGPS and the exceptions were causing problems with advising undergraduate students. The course changes suggested below will better align our program with the current and ongoing course offerings in economics while also giving our students the ability to specialize within the major.

2b Use the fields below, as applicable, to identify the areas in which changes will be made.

		Current	Proposed
i.	Credit Hours of Premajor Courses:		
ii.	Credit Hours of Preprofessional Courses:		
iii.	Credit Hours of Major Core Course Requirements		
iv.	Minimum Credit Hours of Guided Electives:		
v.	Minimum Credit Hours of Free Electives:		
vi.	Credit Hours for Track 1 (name):		
vii.	Credit Hours for Track 2 (name):		
viii.	Credit Hours for Track 3 (name):		
ix.	Credit Hours for Track 4 (name):		
x.	Credit Hours for Track 5 (name):		
xi.	Credit Hours for Required Minor:		
xii.	Total Credit Hours Required by Level:	100-level:	
		200-level:	
		300-level:	
		400-level:	
		500-level:	

TOTAL CREDIT HOURS REQUIRED FOR GRADUATION:

\_\_\_\_\_

\_\_\_\_\_

xv. If the total hours required for graduation have changed, explain below. (150 word limit)

The number of hours for the program are unchanged.

2c

Will the requested change(s) result in the use of courses from another educational unit?

Yes

No

If "Yes," describe generally the courses and how they will be used.

The courses that will be changed are a result of a changing course catalog in the department of economics. The current courses in the undergraduate social studies education degree simply need to be updated to reflect those new courses. Students are already taking the new courses but the out of date courses are causing extra

	workload on advising staff and students since exceptions have to be made and documented.		
	If "Yes," two pieces of supporting documentation are required.		
	<input checked="" type="checkbox"/> Check to confirm that appended to the end of this form is a letter of support from the appropriate chair/director <sup>5</sup> of each unit from which individual courses will be used.		
	<input checked="" type="checkbox"/> Check to confirm that appended to the end of this form is verification that the chair/director of each affected unit has consent from the faculty members of the unit. This typically takes the form of meeting minutes.		

2d	Will the proposed change(s) affect an associated minor?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If "Yes," the department must also submit a change form to change the minor.		

**3. Course Sharing**

3a.	Will the requested changes result in the use of courses from another unit?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	If "Yes," describe generally the courses and how they will used.		
	The economics courses that will be changed are a result of a changing course catalog in the departments of economics. The current courses in the undergraduate social studies education degree simply need to be updated to reflect those new courses. Students are already taking the new courses but the out of date courses are causing extra workload on advising staff and students since exceptions have to be made and documented.		
	If "Yes," two pieces of supporting documentation are required.		
	<input checked="" type="checkbox"/> Check to confirm that appended to the end of this form is a letter of support from the other units' chair/director <sup>6</sup> from which individual courses will be used.		
	<input checked="" type="checkbox"/> Check to confirm that appended to the end of this form is verification that the chair/director of the other unit has consent from the faculty members of the unit. This typically takes the form of meeting minutes.		

**3. UK Core Courses**

3a	Are there any proposed changes to the UK Core requirements for the program? (If "Yes," indicate and proceed to next question. If "No," indicate and proceed to 4a.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If "Yes," note the specific changes in the grid below.		

UK Core Area	Current Course	Current Credits	Proposed Course	Proposed Credits
<b>I. Intellectual Inquiry</b>				
Arts and Creativity				
Humanities				
Social Sciences				
Natural/Physical/Mathematical				
<b>II. Composition and Communication</b>				
Composition and Communication I	CIS/WRD 110	3	<i>CIS/WRD 110</i>	3
Composition and Communication II	CIS/WRD 111	3	<i>CIS/WRD 111</i>	3
<b>III. Quantitative Reasoning</b>				
Quantitative Foundations				

<sup>5</sup> A dean may submit a letter only when there is no educational unit below the college level, i.e. there is no department/school.  
<sup>6</sup> A dean may submit a letter only when there is no educational unit below the college level, i.e. there is no department/school.

	Statistical Inferential Reasoning				
IV. Citizenship (one course in each area)					
	Community, Culture & Citizenship in USA				
	Global Dynamics				

<b>Total UK Core Hours</b>		=====	=====
----------------------------	--	-------	-------

3b	Provide the Bulletin language about UK Core.

**4. Graduation Composition and Communication Requirement**

4a	Will the Graduation Composition and Communication requirement be changed? (If "Yes," indicate and proceed to next question. If "No," indicate and proceed to 5a.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If "Yes," note the specific changes below, including changes to credit hours.  If the course(s) used are from outside the home unit, one piece of supporting documentation is required.  <input type="checkbox"/> Check to confirm that appended to the end of this form is a letter of support from the other units' chair/director <sup>7</sup> from which individual courses will be used.		
	<i>Current</i>	<i>Proposed</i>	
i.	<input type="checkbox"/> Single course in home unit:	<input type="checkbox"/> <i>Single course in home unit:</i>	
ii.	<input type="checkbox"/> Multiple courses in home unit.	<input type="checkbox"/> <i>Multiple courses in home unit.</i>	
iii.	<input type="checkbox"/> Single course outside home unit.	<input type="checkbox"/> <i>Single course outside home unit.</i>	
iv.	<input type="checkbox"/> Multiple courses outside home unit.	<input type="checkbox"/> <i>Multiple courses outside home unit.</i>	
v.	<input type="checkbox"/> Course(s) inside & outside home unit.	<input type="checkbox"/> <i>Course(s) inside &amp; outside home unit.</i>	

4b	Provide the Bulletin language about GCCR below.

**5. Other Course Changes**

5a	Will the college-level requirements change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5c.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
	<i>Current</i>	<i>Proposed</i>				
	<input type="checkbox"/> Standard college requirement	<input type="checkbox"/> <i>Standard college requirement</i>				
	<input type="checkbox"/> Specific course	<input type="checkbox"/> <i>Specific course</i>				
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>8</sup>
						Change
						Select one....
						Select one....

<sup>7</sup> A dean may submit a letter only when there is no educational unit below the college level, i.e. there are no departments/schools.

<sup>8</sup> Use the drop-down list to indicate if the course is a new course ("new"), an existing course that will change ("change"), or if the course is an existing course that will not change ("no change").

**CHANGE UNDERGRADUATE DEGREE PROGRAM**

5b	Will the existing language in the Bulletin about college-level requirements change?					Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If "Yes," provide the new language below.						
5c	Will the pre-major or pre-professional course requirements change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5e.)					Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Current			Proposed				
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>9</sup>	
						Select one....	
						Select one....	
						Select one....	
						Select one....	
						Select one....	
5d	Provide the Bulletin language about pre-major or pre-professional courses below.						
5e	Will the major's core course requirements change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5g.)					Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	If "Yes," note the specific changes in the grid below.						
Current			Proposed				
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>10</sup>	
ECO 412	3	Monetary Economics	300+	3	See Bulletin Language Below	Change	
ECO 463	3	Analysis of Business Conditions	300+	3	See Bulletin Language Below	Change	
ECO 465G	3	Comparative Economic Systems	300+	3	See Bulletin Language Below	Change	
ECO 467	3	American Economic History	300+	3	See Bulletin Language Below	Change	
ECO 471	3	International Trade	300+	3	See Bulletin Language Below	Change	
ECO 473G	3	Economic Development	300+	3	See Bulletin Language Below	Change	
ECO 477	3	Labor Economics	300+	3	See Bulletin Language Below	Change	
ECO 479	3	Public Economics	300+	3	See Bulletin Language Below	Change	
ECO 201	3	Principles of Economics I				No Change	
ECO 202	3	Principles of Economics II				No Change	

<sup>9</sup> Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

<sup>10</sup> Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

**CHANGE UNDERGRADUATE DEGREE PROGRAM**

ECO 401	3	Intermediate Microeconomic Theory				No Change
ECO 402	3	Intermediate Macroeconomic Theory				No Change
ECO 499	3	Seminar in Economics			See Bulletin Language Below	Change
						Select one....
						Select one....

5f Provide the Bulletin language for major core course requirements.

Required Courses (12 hours):  
 ECO 201: Principles of Economics I  
 ECO 202: Principles of Economics II  
 ECO 401: Intermediate Microeconomic Theory  
 ECO 402: Intermediate Macroeconomic Theory

Select a minimum of 18 hours of courses within economics numbered 300 to 599 (15 hrs).

5g	Will the guided electives change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5i.)					Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Current			Proposed				
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>11</sup>	
						Select one....	
						Select one....	
						Select one....	
						Select one....	
						Select one....	
						Select one....	

5h Provide the Bulletin language for guided electives.

5i Will the free electives change? (If "Yes," indicate and note the specific changes in the space below. If "No," indicate and proceed to question 5j.)

Yes  No

5j Does the proposed change affect any track(s)? (If "Yes," note the specific changes using the grid below. If "No," proceed to question 6.)

Yes  No

If more than one track is affected, click [HERE](#) for a template. Append a PDF for each affected track to the end of this form.

Track Name:		<input type="checkbox"/> New Track	<input type="checkbox"/> Changed Track	<input type="checkbox"/> Deleted Track
Current		Proposed		

<sup>11</sup> Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

**CHANGE UNDERGRADUATE DEGREE PROGRAM**

Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>12</sup>
						Select one...
						Select one...
						Select one...
						Select one...
						Select one...
						Select one...

5k Provide the Bulletin language for the track.

**6. Semester by Semester Program**

List below the typical semester-by-semester program for the major. If multiple tracks are available, click [HERE](#) for a template for additional tracks and append a PDF of each track's courses to the end of this form.

<b>YEAR 1 – FALL:</b> (e.g. "BIO 103; 3 credits")	ECO 201	<b>YEAR 1 – SPRING:</b>	<i>ECO 202</i>
<b>YEAR 2 - FALL :</b>	ECO 401	<b>YEAR 2 – SPRING:</b>	<i>ECO 402</i>
<b>YEAR 3 - FALL:</b>	ECO 300+ ECO 300+	<b>YEAR 3 - SPRING:</b>	<i>ECO 300+</i>
<b>YEAR 4 - FALL:</b>	ECO 300+ ECO 300+	<b>YEAR 4 - SPRING:</b>	<i>ECON 499</i>

**7. Approvals/Reviews**

Information below does not supersede the requirement for individual letters of support from educational unit administrators and verification of faculty support (typically takes the form of meeting minutes).

*In addition to the information below, attach documentation of department and college approval. This typically takes the form of meeting minutes but may also be an email from the unit head reporting department- and college-level votes.*

	Reviewing Group Name	Date Approved	Contact Person Name/Phone/Email
7a	(Within College)		
	Curriculum and Instruction	October 20, 2016	Jared Stallones / 257-2340 / jared.stallones@uky.edu
			/ /
			/ /
			/ /

7b (Collaborating and/or Affected Units)

	Economics	October 2016	William Hoyt / 257-2518 / whoyt@uky.edu
			/ /
			/ /
			/ /

<sup>12</sup> Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

**CHANGE UNDERGRADUATE DEGREE PROGRAM**

			/ /
<b>7c</b>	<b>(Senate Academic Council)</b>	<b>Date Approved</b>	<b>Contact Person Name</b>
	Health Care Colleges Council (if applicable)		
	Undergraduate Council	3/8/17	Joanie Ett-Mims



**Ett, Joanie M**

---

**From:** Hoyt, William  
**Sent:** Wednesday, March 08, 2017 8:04 AM  
**To:** Swan, Kathy  
**Cc:** Ett, Joanie M; Fackler, James S; Creane, Anthony  
**Subject:** Departmental Approval of Proposed Program Changes for Secondary Education Social Sciences Economics Major and Minor  
**Attachments:** FW: Program update for undergraduate social studies economics major



Gatton College of  
Business and Economics  
Department of Economics

Dear Kathy,

I am pleased to inform you that the Department of Economics approved the proposed program changes for both the Secondary Education Social Sciences Economics Major and Minor through electronic ballot on February 14, 2017. Attached please see an e-mail of the notice to the faculty regarding the change.

Thank you and good luck moving forward with this change – it makes a lot of sense to do it.

Bill

William Hoyt  
Chair and Gatton Endowed Professor  
Department of Economics, 238A  
Gatton College of Business and Economics  
University of Kentucky  
Lexington, KY 40502  
[whoyt@uky.edu](mailto:whoyt@uky.edu)  
859-257-2518

## Ett, Joanie M

---

**From:** Hoyt, William  
**Sent:** Friday, February 10, 2017 12:28 PM  
**To:** Agrawal, David R; Ahn, Thomas; Bagh, Adib; Benguria Depassier, Felipe; Blomquist, Glenn C; Bollinger, Chris R; Butler, John S; Clark, Michael W; Creane, Anthony; David Wildasin; Dellachiesa, Alejandro; Ederington, Josh; Fackler, James S; Garen, John; Gillette, J R; Herrera, Ana Maria; Hoyt, Gail; Hoyt, William; Kim, Yoonbai; Kusunose, Yoko; Lamarche, Carlos; Lugauer, Steve; Ma, Lala; Malkova, Olga; Minier, Jenny; Patel, Darshak; Scott, Frank; Troske, Kenneth; Yelowitz, Aaron; Ziliak, James  
**Subject:** FW: Program update for undergraduate social studies economics major  
**Attachments:** Change UG Degree\_final\_social studies economics major.docx  
**Importance:** High



Gatton College of  
Business and Economics  
Department of Economics

See below and attached for a program change in Education (Social Studies, Economics Major) that needs approval by our faculty. As I understand the changes make this very similar to the standard Economics major with the exception of 391 (they do have a statistical inference course as a core requirement) as students are required to take 201, 202, 401, 402, and 499 with 5 Economics courses.

I would like to approve this electronically. If you wish to vote “no” to approval of this change in the program please inform by e-mail by Tuesday, February 14 EOB . If there are no more than 5 votes in opposition I shall consider this approved and move it forward.

Thanks.

Bill

William Hoyt  
Chair and Gatton Endowed Professor  
Department of Economics, 238A  
Gatton College of Business and Economics  
University of Kentucky  
Lexington, KY 40502  
[whoyt@uky.edu](mailto:whoyt@uky.edu)  
859-257-2518

---

**From:** Swan, Kathy  
**Sent:** Thursday, October 06, 2016 4:19 PM

**To:** Hoyt, William <whoyt@uky.edu>

**Cc:** Crowley, Ryan <ryan.crowley@uky.edu>; Stallones, Jared <jared.stallones@uky.edu>

**Subject:** Program update for undergraduate social studies economics major

**Importance:** High

Good afternoon, Dr. Hoyt.

My name is Kathy Swan and I am a professor in the College of Education. My colleague, Ryan Crowley, and I co-chair the secondary social studies education program in the College of Education. We are currently making updates to the program including updating course titles that have been changed in Department of Economics but not in the College of Education bulletins.

Our social studies education students who major in economics take 30 credit hours—there is no change there. We are also continuing our requirements that students take ECO 201, 201, 401, 402 and 499. For the other 15 credit hours, they are able to choose from courses that your department is offering. In our latest bulletin, we have some courses listed by number that are no longer offered.

The change to our bulletin is simply removing specific courses and allowing students to select from currently offered courses in your department. This change will allow us to write fewer exceptions and for our advisors to work more easily within the new MyUKGPS.

From the program change form (see attached), we must submit approval from departments impacted by these changes. The language reads as follows:

- “Two pieces of documentation are required—a letter of support from the appropriate chair/director of each unit from which individual courses will be used AND verification that the chair/director of each affected unit has approval of faculty members of the unit. This typically takes the form of meeting minutes.”

In other words, in order to move these changes through the system, we need an email from you as department chair that states you and your departmental faculty approve these changes. I am hoping that you could put this on your next departmental agenda and (fingers crossed) send me an email that the changes are approved. We are hoping since these are minor changes, you might be able to help us expedite this process.

We have been told by our Dean and Associate Dean this program change needs to be submitted within the next week or so to our department. We just found out about it last week—so we are working furiously to comply. If you could let us know a potential timeline for your process that would help us keep our Deans informed of our progress.

Thanks so much,

Kathy and Ryan

Kathy Swan, Ph.D.  
Professor, Social Studies Education  
Director of PROTeach  
College of Education  
University of Kentucky  
859-257-1893  
[kswan@uky.edu](mailto:kswan@uky.edu)  
webpage: <http://www.uky.edu/~kswan2/>



c3teachers.org

**Subject:** Re: Program update for undergraduate social studies economics major  
**Date:** Tuesday, October 25, 2016 at 12:41:33 PM Eastern Daylight Time  
**From:** Swan, Kathy  
**To:** Hoyt, William  
**CC:** Creane, Anthony, Patel, Darshak, Crowley, Ryan, Stallones, Jared  
**Attachments:** image001.png, image002.jpg, image003.jpg, image004.png

Hi Bill,

I hope you doing ok and on the mend. I know these kind of breaks are not easy.

I hate nagging almost as much as I hate programmatic update processes. Would it be possible to just get an email from you (or whoever is acting department chair) approving these changes? We are hoping to submit to our committee this week. We are down to the wire.

Again, I apologize a thousand times over.....

KS

---

**From:** "Swan, Kathy" <k.swan@uky.edu>  
**Date:** Tuesday, October 18, 2016 at 10:09 AM  
**To:** "Hoyt, William" <whoyt@uky.edu>  
**Cc:** "Creane, Anthony" <a.creane@uky.edu>, "Patel, Darshak" <darshak.patel@uky.edu>, "Crowley, Ryan" <ryan.crowley@uky.edu>, "Stallones, Jared" <jared.stallones@uky.edu>  
**Subject:** Re: Program update for undergraduate social studies economics major

Oh my, Bill! I am so sorry to hear about your hip! And I am sorry to complicate your situation with our programmatic nonsense.

Take care. We will wait to hear—but will be patient, for sure.

KS

---

**From:** "Hoyt, William" <whoyt@uky.edu>  
**Date:** Tuesday, October 18, 2016 at 10:07 AM  
**To:** "Swan, Kathy" <k.swan@uky.edu>  
**Cc:** "Creane, Anthony" <a.creane@uky.edu>, "Patel, Darshak" <darshak.patel@uky.edu>  
**Subject:** FW: Program update for undergraduate social studies economics major



Gatton College of  
Business and Economics  
Department of Economics

Kathy,

Sorry about the delay but unfortunately things haven't been going well – I broke my hip on the 8<sup>th</sup> and spent last week in the hospital recovering from surgery and am now at home recovering. Let me try to talk to Darshak Patel, our DUS, and Tony Creane, acting Chair, in the next few days about this. Then I think we'll have an electronic vote of the faculty next week. I may want to talk to you as well (by phone) if I have some questions.

Bill

William Hoyt  
Chair and Gatton Endowed Professor  
Department of Economics, 238A  
Gatton College of Business and Economics  
University of Kentucky  
Lexington, KY 40502  
[whoyt@uky.edu](mailto:whoyt@uky.edu)  
859-257-2518

---

**From:** Swan, Kathy  
**Sent:** Tuesday, October 18, 2016 9:31 AM  
**To:** Hoyt, William <[whoyt@uky.edu](mailto:whoyt@uky.edu)>  
**Cc:** Crowley, Ryan <[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)>; Stallones, Jared <[jared.stallones@uky.edu](mailto:jared.stallones@uky.edu)>  
**Subject:** FW: Program update for undergraduate social studies economics major

Hi Bill,

I hope all is well.

I just wanted to check back in and see if there was any progress on your departmental approval process. I am sorry in advance for nagging ☺

Kathy

---

**From:** "Swan, Kathy" <[k.swan@uky.edu](mailto:k.swan@uky.edu)>  
**Date:** Thursday, October 6, 2016 at 4:39 PM  
**To:** "Hoyt, William" <[whoyt@uky.edu](mailto:whoyt@uky.edu)>  
**Cc:** "Crowley, Ryan" <[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)>  
**Subject:** Re: Program update for undergraduate social studies economics major

Hmmm.....good point. We have removed that requirement. See new form attached ☺ Thanks! KS

---

**From:** "Hoyt, William" <Hi Bill>

**Date:** Thursday, October 6, 2016 at 4:35 PM

**To:** "Swan, Kathy" <[k.swan@uky.edu](mailto:k.swan@uky.edu)>

**Subject:** RE: Program update for undergraduate social studies economics major



Gatton College of  
Business and Economics  
Department of Economics

Yes, these are correct. However, the 499 requirement is for the GCCR – it looks like you have that already satisfied in your required courses. Does that make a difference?

William Hoyt  
Chair and Gatton Endowed Professor  
Department of Economics, 238A  
Gatton College of Business and Economics  
University of Kentucky  
Lexington, KY 40502  
[whoyt@uky.edu](mailto:whoyt@uky.edu)  
859-257-2518

---

**From:** Swan, Kathy

**Sent:** Thursday, October 06, 2016 4:30 PM

**To:** Hoyt, William <[whoyt@uky.edu](mailto:whoyt@uky.edu)>

**Cc:** Crowley, Ryan <[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)>; Stallones, Jared <[jared.stallones@uky.edu](mailto:jared.stallones@uky.edu)>

**Subject:** Re: Program update for undergraduate social studies economics major

Wow, that was quick! Thanks Bill.

We only have five required courses listed in our proposal, all (according to the 2016-2017 bulletin) are required for your major:

ECO 201: Principles of Economics I  
ECO 202: Principles of Economics II  
ECO 401: Intermediate Microeconomic Theory  
ECO 402: Intermediate Macroeconomic Theory  
ECO 499: Seminar in Economics (subtitle required)

Please do let us know if those numbers have changed. And, thank you so much for your very quick help!

We appreciate it.

KS

---

**From:** "Hoyt, William" <[whoyt@uky.edu](mailto:whoyt@uky.edu)>  
**Date:** Thursday, October 6, 2016 at 4:24 PM  
**To:** "Swan, Kathy" <[k.swan@uky.edu](mailto:k.swan@uky.edu)>  
**Cc:** "Crowley, Ryan" <[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)>, "Stallones, Jared" <[jared.stallones@uky.edu](mailto:jared.stallones@uky.edu)>  
**Subject:** RE: Program update for undergraduate social studies economics major



Gatton College of  
Business and Economics  
Department of Economics

Kathy and Ryan,

Let me check with our DUS about some of the courses – we have renumbered a few of them you have listed as you mention and should have a few others in the works. I think it will be difficult to actually hold a meeting in the time frame you are thinking but I can hold an “electronic” meeting and seek approval via e-mail.

I’ll try to get back to you early next week.

Bill

William Hoyt  
Chair and Gatton Endowed Professor  
Department of Economics, 238A  
Gatton College of Business and Economics  
University of Kentucky  
Lexington, KY 40502  
[whoyt@uky.edu](mailto:whoyt@uky.edu)  
859-257-2518

---

**From:** Swan, Kathy  
**Sent:** Thursday, October 06, 2016 4:19 PM  
**To:** Hoyt, William <[whoyt@uky.edu](mailto:whoyt@uky.edu)>  
**Cc:** Crowley, Ryan <[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)>; Stallones, Jared <[jared.stallones@uky.edu](mailto:jared.stallones@uky.edu)>

**Subject:** Program update for undergraduate social studies economics major

**Importance:** High

Good afternoon, Dr. Hoyt.

My name is Kathy Swan and I am a professor in the College of Education. My colleague, Ryan Crowley, and I co-chair the secondary social studies education program in the College of Education. We are currently making updates to the program including updating course titles that have been changed in Department of Economics but not in the College of Education bulletins.

Our social studies education students who major in economics take 30 credit hours—there is no change there. We are also continuing our requirements that students take ECO 201, 201, 401, 402 and 499. For the other 15 credit hours, they are able to choose from courses that your department is offering. In our latest bulletin, we have some courses listed by number that are no longer offered.

The change to our bulletin is simply removing specific courses and allowing students to select from currently offered courses in your department. This change will allow us to write fewer exceptions and for our advisors to work more easily within the new MyUKGPS.

From the program change form (see attached), we must submit approval from departments impacted by these changes. The language reads as follows:

- “Two pieces of documentation are required—a letter of support from the appropriate chair/director of each unit from which individual courses will be used AND verification that the chair/director of each affected unit has approval of faculty members of the unit. This typically takes the form of meeting minutes.”

In other words, in order to move these changes through the system, we need an email from you as department chair that states you and your departmental faculty approve these changes. I am hoping that you could put this on your next departmental agenda and (fingers crossed) send me an email that the changes are approved. We are hoping since these are minor changes, you might be able to help us expedite this process.

We have been told by our Dean and Associate Dean this program change needs to be submitted within the next week or so to our department. We just found out about it last week—so we are working furiously to comply. If you could let us know a potential timeline for your process that would help us keep our Deans informed of our progress.

Thanks so much,

Kathy and Ryan

Kathy Swan, Ph.D.  
Professor, Social Studies Education  
Director of PROTeach  
College of Education  
University of Kentucky  
859-257-1893  
[kswan@uky.edu](mailto:kswan@uky.edu)  
webpage: <http://www.uky.edu/~kswan2/>





c3teachers.org

**Subject:** FW: votes  
**Date:** Thursday, October 20, 2016 at 8:58:52 AM Eastern Daylight Time  
**From:** Stallones, Jared  
**To:** Swan, Kathy, Crowley, Ryan  
**Attachments:** secondary social studies undergraduate program change.zip, image001.png, image002.png

This confirms C&I Dept. approval the main changes.

Jared



**Jared R. Stallones, Ph.D.**

Professor and Chair  
University of Kentucky College of Education  
Department of Curriculum and Instruction  
337 Dickey Hall | Lexington, KY 40506-0017  
859-257-3230 | [jared.stallones@uky.edu](mailto:jared.stallones@uky.edu) | [education.uky.edu/edc/](http://education.uky.edu/edc/)

---

**From:** "Cline, Janine" <[janine.cline@uky.edu](mailto:janine.cline@uky.edu)>  
**Date:** Thursday, October 20, 2016 at 8:48 AM  
**To:** "Stallones, Jared" <[jared.stallones@uky.edu](mailto:jared.stallones@uky.edu)>  
**Subject:** votes

We have 16 votes approving the program changes.

Janine



**Janine Cline**

Office Manager  
University of Kentucky College of Education  
Curriculum and Instruction  
335 Dickey Hall | Lexington, KY 40506-0017  
859-257-5848 | [janine.cline@uky.edu](mailto:janine.cline@uky.edu) | [education.uky.edu](http://education.uky.edu)

**Subject:** FW: CIP Code?--proposed undergraduate degree changes to Secondary Social Studies Education  
**Date:** Thursday, October 27, 2016 at 10:07:30 AM Eastern Daylight Time  
**From:** Swan, Kathy  
**To:** Swan, Kathy

---

**From:** "Alexander-Snow, Mia" <mia.alexander-snow@uky.edu>  
**Date:** Wednesday, October 26, 2016 at 5:17 PM  
**To:** Institutional Effectiveness <InstitutionalEffectiveness@uky.edu>, "Crowley, Ryan" <ryan.crowley@uky.edu>  
**Cc:** "Pearson, RaeAnne M" <raeanne.pearson@uky.edu>, "Swan, Kathy" <k.swan@uky.edu>, "Stallones, Jared" <jared.stallones@uky.edu>, "Margaret Schroeder (mmohr2@g.uky.edu)" <mmohr2@g.uky.edu>, "Spriggs, Amy D" <amy.spriggs@uky.edu>  
**Subject:** RE: CIP Code?--proposed undergraduate degree changes to Secondary Social Studies Education

Dear Ryan,

Thank you for your email regarding the proposed program change(s) to the **Bachelor of Arts in Education in Secondary Social Studies Education (13.1318)**. My email will serve 2 purposes: 1.) next steps for SACSCOC, and 2.) verification and notification that you have contacted PIE—a Senate requirement for proposal approval.

1. **Next steps for SACSCOC:** **Non required**
2. **Verification that PIE has reviewed the proposal:** Based on the proposal documentation presented and Substantive Change Checklist, the proposed program changes (refer to list below) are not substantive changes as defined by SACSCOC, the university's regional accreditor. Therefore, no additional information is required by the Office of Planning & Institutional Effectiveness at this time. The proposed program change(s) may move forward in accordance with college and university-level approval processes.

List of Proposed Change(s):

- aligning program core requirements with the current offerings in the Arts & Sciences areas
- providing more flexibility for our students in selecting courses within their major and minors specific to the following areas:
  - Political Science Major
  - Political Science Minor
  - Geography Major
  - Geography Minor
  - Anthropology Major
  - Anthropology Minor
  - Psychology Major

- Psychology Minor
- Economics Major
- Economics Minor

Should you have questions or concerns about UK's substantive change policy and its procedures, please do not hesitate contacting me.

Regards,  
Mia

**Mia Alexander-Snow, PhD**

Director, Planning and Institutional Effectiveness

Phone: 859-257-2873

Fax: 859-323-3999

Visit the Institutional Effectiveness Website: <http://www.uky.edu/ie>

*This message is for the named person (s) use only. It may contain confidential, proprietary or legally privileged information. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this message in error, please immediately delete it and all copies of it from your system, destroy any hard copies of it and notify the sender. You must not, directly or indirectly, use, disclose, distribute, print, or copy any part of this message if you are not the intended recipient.\**

---

**From:** Institutional Effectiveness

**Sent:** Tuesday, October 25, 2016 4:19 PM

**To:** Crowley, Ryan <ryan.crowley@uky.edu>; Institutional Effectiveness <InstitutionalEffectiveness@uky.edu>

**Cc:** Pearson, RaeAnne M <raeanne.pearson@uky.edu>; Swan, Kathy <k.swan@uky.edu>; Stallones, Jared <jared.stallones@uky.edu>; Margaret Schroeder (mmohr2@g.uky.edu) <mmohr2@g.uky.edu>; Spriggs, Amy D <amy.spriggs@uky.edu>

**Subject:** RE: CIP Code?--proposed undergraduate degree changes to Secondary Social Studies Education

Hello No apologies necessary—I need to apologize for not responding sooner. My outlook email has not been functioning as it should, such that I recently learned that email replies via IE mailbox will be returned and the sent email becomes undeliverable. So, please accept my apologies for not getting to you sooner.

My responses to your questions are in the body of the email and are in bold, italic, purple font. In a nutshell: **the proposed curricular changes will not constitute substantive change and an email is being sent to you, reflecting the determination. You should expect the email by tomorrow morning.**

**Mia Alexander-Snow, PhD**

Director, Planning and Institutional Effectiveness

Phone: 859-257-2873

Fax: 859-323-3999

Visit the Institutional Effectiveness Website: <http://www.uky.edu/ie>

*This message is for the named person (s) use only. It may contain confidential, proprietary or legally privileged information. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this message in error, please immediately delete it and all copies of it from your system, destroy any hard copies of it and notify the sender. You must not, directly or indirectly, use,*

*disclose, distribute, print, or copy any part of this message if you are not the intended recipient.\**

**From:** Crowley, Ryan [<mailto:ryan.crowley@uky.edu>]

**Sent:** Monday, October 24, 2016 2:47 PM

**To:** Institutional Effectiveness <[InstitutionalEffectiveness@uky.edu](mailto:InstitutionalEffectiveness@uky.edu)>

**Cc:** Pearson, RaeAnne M <[raeanne.pearson@uky.edu](mailto:raeanne.pearson@uky.edu)>; Swan, Kathy <[k.swan@uky.edu](mailto:k.swan@uky.edu)>; Stallones, Jared <[jared.stallones@uky.edu](mailto:jared.stallones@uky.edu)>; Margaret Schroeder ([mmohr2@g.uky.edu](mailto:mmohr2@g.uky.edu)) <[mmohr2@g.uky.edu](mailto:mmohr2@g.uky.edu)>; Spriggs, Amy D <[amy.spriggs@uky.edu](mailto:amy.spriggs@uky.edu)>

**Subject:** Re: CIP Code?--proposed undergraduate degree changes to Secondary Social Studies Education

Hello again, Mia.

I apologize in advance for what is clearly nagging, but I am curious if you are able to weigh in on the email I sent last week with some questions regarding the decision you passed along on our proposed program changes.

We are getting pushed for updates from folks in our college.

The email is included below.

Thanks so much,  
Ryan

On Tue, Oct 18, 2016 at 10:45 AM, Crowley, Ryan <[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)> wrote:

Hello, Mia, thanks for getting back to us so quickly.

We have a few additional questions about the review process.

1. We know you reviewed the narrative we wrote about the updates in order to make your decision, but we are curious as to which boxes on the "Substantive Change Checklist" our updates have "checked." I am attaching the checklist document we completed in addition to the narrative and my colleague, Kathy Swan, and I did not find an area where we felt our updates would merit a "yes" on the checklist document. (I attached our document here): **You are correct in that as a stand-alone document, the checklist would not merit a "yes", which is why the narrative proposal or completed senate change form is so important—often more so. The substantive change checklist is the university's documented evidence that all the questions were asked and that the university made curricular decisions that were in keeping with SACSCOC principles of integrity. The Substantive checklist is just a place to start the conversation about the breadth and depth of changes to be sure .**

In our view, the update had two goals. First, we removed (and found substitutes) for courses that were required for our program but that were no longer being offered in the College of Arts & Sciences. Second, we gave our students more flexibility to select courses within their A&S major or minor as long as they were above a certain level (200+ in some cases or 300+ in others). In doing the latter, we hoped to prevent ongoing issues with students needing exceptions due to the ever-changing course catalogs in the seven A&S areas with which we work. **All these changes are great--and reflect vision for ensuring program relevancy. My email response focused on the changes to the overall curriculum and was asking the question: Given all these 9 proposed changes, with an eye on content relevancy, greater attention to A&S requirement is the degree designation**

(BSEDU) and CIP (13.1318) still appropriate. Also, this is why I asked for further review by the council chairs—as they have a better understanding about the curricula design and content for determining CIP appropriateness. If the chairs felt the program was changed, such that the CIP and degree designation were no longer reflective of the program’s original intent, then substantive change would not be warranted. Given the chairs responses, the proposed curricular changes will not constitute substantive change and an email is being sent to you, reflecting the determination.

We are new to this process and trying to find our way. Due to our naivete, I was thinking we might have made an error in communication about the updates we were undertaking and that our error mistakenly pushed us into the substantive change category. (This also might just be wishful thinking!) **No error was made in communication; nothing written “pushed” the proposed changes to substantive. As stated earlier, the substantive change checklist is the starting place for exploring new and existing programs. The checklist is a complement to the narrative (Senate forms), being sure that a proposal for a new program is actually a ‘new’ program and that ‘minor’ curricular changes are that, ‘minor’ and not ‘new ‘ programs.**

2. If we are indeed asking for a substantive change, is there a ballpark figure for how long that process might take? We ask only because we have been pushed by our College to get these updates proposed through our Courses & Curricula committee prior to the close of the semester. Ambitious, we know...*Often when proposed changes constitute substantive change, the additional information required does not slow down the institutional approval process. The additional documentation is completed in parallel to the university approval process.*

Thanks again for your help with this process, Mia.

We look forward to hearing from you.

Ryan and Kathy

On Mon, Oct 17, 2016 at 10:35 AM, Institutional Effectiveness  
<[InstitutionalEffectiveness@uky.edu](mailto:InstitutionalEffectiveness@uky.edu)> wrote:

Dear Ryan,

As presented and based on my review of the submitted program change narrative (refer to attachment)

, it seems that the proposed changes would constitute substantive change and SACSCOC approval. However, before we proceed with the substantive change paperwork, you will need to follow-up with Amy Spriggs, Undergraduate Senate Council Chair and Margaret Schroeder, SAPC Chair for further review to determine whether or not the current program CIP would still be appropriate, given the substantial change in curricular instruction/requirements.

Ryan, once I am in receipt of the Chairs' feedback, I will send an updated response from the Office of Planning and Institutional Effectiveness with the next steps relative to SACSCOC approval.

Regards,

Mia

P.S. Both Amy and Margaret have been copied on my email.

**Mia Alexander-Snow, PhD**

Director, Planning and Institutional Effectiveness

Phone: [859-257-2873](tel:859-257-2873)

Fax: [859-323-3999](tel:859-323-3999)

Visit the Institutional Effectiveness Website: <http://www.uky.edu/ie>

*This message is for the named person (s) use only. It may contain confidential, proprietary or legally privileged information. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this message in error, please immediately delete it and all copies of it from your system, destroy any hard copies of it and notify the sender. You must not, directly or indirectly, use, disclose, distribute, print, or copy any part of this message if you are not the intended recipient.\**

**From:** Crowley, Ryan [mailto:[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)]

**Sent:** Wednesday, October 12, 2016 2:06 PM

**To:** Institutional Effectiveness <[InstitutionalEffectiveness@uky.edu](mailto:InstitutionalEffectiveness@uky.edu)>

**Cc:** Pearson, RaeAnne M <[raeanne.pearson@uky.edu](mailto:raeanne.pearson@uky.edu)>; Swan, Kathy <[k.swan@uky.edu](mailto:k.swan@uky.edu)>; Stallones, Jared <[jared.stallones@uky.edu](mailto:jared.stallones@uky.edu)>

**Subject:** Re: CIP Code?

Attached you will find a narrative overview of the proposed undergraduate degree changes to Secondary Social Studies Education. As requested in the previous email, we have prepared this narrative in lieu of sending the 9 program change documents that are required to fully update our degree program.

Our SACSOC Substantive Change Checklist document is also attached.

Please let us know if you have any questions.

Thanks,

Kathy & Ryan

On Mon, Oct 10, 2016 at 10:43 AM, Institutional Effectiveness <[InstitutionalEffectiveness@uky.edu](mailto:InstitutionalEffectiveness@uky.edu)> wrote:

Hello Ryan,

Yes, I like to have the completed degree change form at time of SACSCOC substantive checklist submission; the two documents help me to better understand the scope of the proposed changes necessary for assessing whether or not the changes constitute substantive change as defined by SACSCOC . Also, it ensures that my email response speaks to the proposed changes under consideration by the Senate. For proposers that anticipate submitting many Senate change forms such as you described below, the common practice is to submit a comprehensive narrative of all the proposed changes—this is done in lieu of submitting all the individual forms for my review.

Ryan, if you have additional questions ,please let me know ☺

Best,  
Mia

**Mia Alexander-Snow, PhD**

Director, Planning and Institutional Effectiveness

Phone: [859-257-2873](tel:859-257-2873)

Fax: [859-323-3999](tel:859-323-3999)

Visit the Institutional Effectiveness Website: <http://www.uky.edu/ie>

*This message is for the named person (s) use only. It may contain confidential, proprietary or legally privileged information. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this message in error, please immediately delete it and all copies of it from your system, destroy any hard copies of it and notify the sender. You must not, directly or indirectly, use, disclose, distribute, print, or copy any part of this message if you are not the intended recipient.\**

**From:** Crowley, Ryan [mailto:[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)]

**Sent:** Thursday, October 06, 2016 3:36 PM

**To:** Institutional Effectiveness <[InstitutionalEffectiveness@uky.edu](mailto:InstitutionalEffectiveness@uky.edu)>

**Cc:** Pearson, RaeAnne M <[raeanne.pearson@uky.edu](mailto:raeanne.pearson@uky.edu)>; Swan, Kathy <[k.swan@uky.edu](mailto:k.swan@uky.edu)>

**Subject:** Re: CIP Code?

Thanks, Mia. So, just to be clear, we shouldn't submit this form to you until we have completed the Senate "Change UG Degree Form?" By reading the directions at the top of that form, I got the impression that we should send off this substantive change checklist as soon as possible during the degree update process. If the procedure is to wait until the other forms are complete then we will certainly do so. Just wanted to double check.

Also, you should probably know that we will have about 10 or so Senate change forms because our degree program brings in students from seven different program areas within Arts & Sciences. We are making minor changes (just updating course numbers, mostly) in all the major areas and some of the minor areas.

Thanks,  
Ryan

On Thu, Oct 6, 2016 at 3:14 PM, Institutional Effectiveness  
<[InstitutionalEffectiveness@uky.edu](mailto:InstitutionalEffectiveness@uky.edu)> wrote:



Hello Ryan,

Additionally , the submitted SACSCOC checklist is not the current form. Please complete the updated SACSOC Checklist, and please be sure to attach the completed senate program change form.

Thanks,

Mia

P.S. The Senate website should have the updated form available at the Senate website by the end of next week.

**Mia Alexander-Snow, PhD**

Director, Planning and Institutional Effectiveness

Phone: [859-257-2873](tel:859-257-2873)

Fax: [859-323-3999](tel:859-323-3999)

Visit the Institutional Effectiveness Website: <http://www.uky.edu/ie>

*This message is for the named person (s) use only. It may contain confidential, proprietary or legally privileged information. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this message in error, please immediately delete it and all copies of it from your system, destroy any hard copies of it and notify the sender. You must not, directly or indirectly, use, disclose, distribute, print, or copy any part of this message if you are not the intended recipient.\**

**From:** Crowley, Ryan [mailto:[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)]

**Sent:** Thursday, October 06, 2016 2:49 PM

**To:** Institutional Effectiveness <[InstitutionalEffectiveness@uky.edu](mailto:InstitutionalEffectiveness@uky.edu)>

**Subject:** Re: CIP Code?

Thanks so much!

On Thu, Oct 6, 2016 at 1:24 PM, Institutional Effectiveness <[InstitutionalEffectiveness@uky.edu](mailto:InstitutionalEffectiveness@uky.edu)> wrote:

Hello Ryan,

You should be able to find current CIP codes here: <http://www.uky.edu/ie/uk-program-review-inventory>. It looks like the CIP code for the BAEDU in Secondary Education Social Studies is 13.1318

Best,

RaeAnne

**From:** Crowley, Ryan [mailto:[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)]

**Sent:** Thursday, October 06, 2016 1:20 PM

**To:** Institutional Effectiveness

**Subject:** CIP Code?

Hello again, my colleague, Dr. Kathy Swan, and I just submitted a substantive change checklist form related to our update of the Secondary Education Social Studies undergraduate program.

We will await your word on that form but, in the meantime, we were wondering how to go

about getting a CIP code for starting the paperwork for the update.

Any help would be appreciated.

Thanks,

--

Ryan M. Crowley, Ph.D.  
University of Kentucky  
Curriculum & Instruction  
339 Dickey Hall  
Lexington, KY 40506  
[\(859\) 257-3158](tel:(859)257-3158)  
[\(512\) 773-7856](tel:(512)773-7856)  
[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)

--

Ryan M. Crowley, Ph.D.  
University of Kentucky  
Curriculum & Instruction  
339 Dickey Hall  
Lexington, KY 40506  
[\(859\) 257-3158](tel:(859)257-3158)  
[\(512\) 773-7856](tel:(512)773-7856)  
[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)

--

Ryan M. Crowley, Ph.D.  
University of Kentucky  
Curriculum & Instruction  
339 Dickey Hall  
Lexington, KY 40506  
[\(859\) 257-3158](tel:(859)257-3158)  
[\(512\) 773-7856](tel:(512)773-7856)  
[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)

--

Ryan M. Crowley, Ph.D.  
University of Kentucky  
Curriculum & Instruction  
339 Dickey Hall  
Lexington, KY 40506  
[\(859\) 257-3158](tel:(859)257-3158)  
[\(512\) 773-7856](tel:(512)773-7856)

| [ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)

--

Ryan M. Crowley, Ph.D.  
University of Kentucky  
Curriculum & Instruction  
339 Dickey Hall  
Lexington, KY 40506  
[\(859\) 257-3158](tel:(859)257-3158)  
[\(512\) 773-7856](tel:(512)773-7856)  
[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)

--

Ryan M. Crowley, Ph.D.  
University of Kentucky  
Curriculum & Instruction  
339 Dickey Hall  
Lexington, KY 40506  
[\(859\) 257-3158](tel:(859)257-3158)  
[\(512\) 773-7856](tel:(512)773-7856)  
[ryan.crowley@uky.edu](mailto:ryan.crowley@uky.edu)