

General Education Council (GEC)
General Committee Meeting Minutes
MS Teams Virtual Meeting

November 16, 2021

- I. Attendance
 - Attendance (and quorum verification) was documented based on the individuals attending who typed their name in the chat box to be recorded. *(Attached)*

- II. Agenda
 - The Chair called for any updates or edits to the agenda. There were none and the agenda was accepted as written.

- III. Minutes
 - The Chair called for any corrections to the minutes from the October 21, 2021 GEC General Committee meeting. Ben Rybolt, CSM-Physics requested the attendance to be corrected to show him as present. There were no content changes. Holly Deal motioned to approve, and Ed Eanes and Lauren Tagliatalata seconded the motion. The minutes were approved as written.

- IV. GEC Executive Committee Meeting Summary
 - ARTS 1100 update
 - Areas B and C update
 - MATH 1179 discussion
 - Lake Ritter, Mathematics, attended the meeting to provide additional input, clarification, and answer questions about MATH 1179 (Please see the attached presentation from Lake Ritter.) Items of note:
 1. MATH 1179 is a 4-credit hour course. It has different competencies than MATH 1190 but the same amount of content to equal 4 credit hours. These different competencies are to better address the content needs of the biology and environmental sciences students.
 2. It is not a pre-requisite for Calculus II. The combination of MATH 1179 and 1189 **or** MATH 1190 satisfy as a pre-requisite for Calculus II.
 3. It may create a one-credit hour deficiency in Areas D or F for some students based on their major or if changing majors.

- V. New Business
 - Below is the list of curriculum proposals for review and to give feedback to the Executive Committee to inform before their voting.

Course Prefix and Title	Course Name	Type of Change	Goal of Change	Curriculog Proposal Link
COMM 1100	Human Communication	Prefix	Align with USG 2.4.10 requirements	https://kennesaw.curriculog.com/proposal:13965/form

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ENGL 2110 (Remove-Dept. making add'l change)	World Literature	Course description	Align with USG 2.4.10 requirements	https://kennesaw.curriculog.com/proposal:13830/form
ENGL 2111	World Literature I (eCore)	Curricular approval, added to the catalog, approved to satisfy C1 outcomes	Compliance for awarding institutional and core curriculum credit	https://kennesaw.curriculog.com/proposal:13765/form
ENGL 2112	World Literature II (eCore)	Curricular approval, added to the catalog, approved to satisfy C1 outcomes	Compliance for awarding institutional and core curriculum credit	https://kennesaw.curriculog.com/proposal:13767/form
ENGL 2131	American Literature I (eCore)	Curricular approval, added to the catalog, approved to satisfy C1 outcomes	Compliance for awarding institutional and core curriculum credit	https://kennesaw.curriculog.com/proposal:13768/form
ENGL 2132	American Literature II (eCore)	Curricular approval, added to the catalog, approved to satisfy C1 outcomes	Compliance for awarding institutional and core curriculum credit	https://kennesaw.curriculog.com/proposal:13769/form
HIST 1100	Survey of World History	Title and Course description	Align with USG 2.4.10 requirements	https://kennesaw.curriculog.com/proposal:13905/form
HIST 1111	Survey of World History I	Title and Course description	Align with USG 2.4.10 requirements	https://kennesaw.curriculog.com/proposal:13918/form
HIST 1112	Survey of World History II	Title and Course description	Align with USG 2.4.10 requirements	https://kennesaw.curriculog.com/proposal:13917/form
HIST 2111	Survey of U.S. History I	Title and Course description	Align with USG 2.4.10 requirements	https://kennesaw.curriculog.com/proposal:13919/form
HIST 2112	Survey of U.S. History II	Title and Course description	Align with USG 2.4.10 requirements	https://kennesaw.curriculog.com/proposal:13920/form
PSYC 1101	Introduction to General Psychology	Course description	Align with USG 2.4.10 requirements	https://kennesaw.curriculog.com/proposal:13971/form

General Education Council (GEC)
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VI. Announcements

- The GEC Executive and General Committees will continue to meet virtually through the spring semester. Links to the meetings will be distributed and posted on the website.
- Next GEC Executive Committee meetings: December 7, 2021 *and* January 4, 2022 at 12:30 p.m. via MS Teams.
- Next GEC General Committee meeting: January 18, 2022 at 12:30 p.m.

Meeting schedules with links, agendas, and minutes can be found on the <https://cia.kennesaw.edu> website under Curriculum Committees, GEC, Schedule/Agenda/Minutes.

VII. Adjournment

- The Chair called for any further business. Hearing none, the chair adjourned the meeting at 1:05 p.m.

**General Education Council
General Committee Meeting Attendance
November 16, 2021**

Representing	First Name	Last Name	Present	Proxy Name	Absent
Bagwell College Education	Brendan	Callahan	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Coles College of Business	Timothy	Mathews	<input checked="" type="checkbox"/>		<input type="checkbox"/>
College of Architecture and Construction Management	Jacqueline	Stephens	<input checked="" type="checkbox"/>		<input type="checkbox"/>
College of Computing and Software Engineering	Holly	Deal	<input checked="" type="checkbox"/>		<input type="checkbox"/>
College of Science and Mathematics	Matthew	Laposata	<input checked="" type="checkbox"/>		<input type="checkbox"/>
College of the Arts	Edward	Eanes	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Journey Honors College	Vacant		<input type="checkbox"/>		<input type="checkbox"/>
Radow College of Humanities and Social Sciences	Thomas	Doleys	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Southern Polytechnic College of Engineering and Engineering Technology	Matt	Marshall	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Wellstar College of Health and Human Services	Afekwo "Mary"	Ukuku	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Total Voting Members in Attendance	9 /9				

Advisory (Non-voting)	First Name	Last Name	Present		Absent
COTA-Art and Design	Joe	Thomas	<input type="checkbox"/>		<input checked="" type="checkbox"/>
COTA-Dance	Natalie	Berry	<input checked="" type="checkbox"/>		<input type="checkbox"/>
COTA-Music	Edward	Eanes	<input checked="" type="checkbox"/>		<input type="checkbox"/>
COTA-Theatre & Performance Studies	Jim	Davis	<input checked="" type="checkbox"/>		<input type="checkbox"/>
CSM-Biology: Ecology, Evolution, and Organismal	Matthew	Laposata	<input checked="" type="checkbox"/>		<input type="checkbox"/>
CSM-Biology: Molecular and Cellular	Liz	Harrison	<input checked="" type="checkbox"/>		<input type="checkbox"/>
CSM-Chemistry	Thomas	Leeper	<input type="checkbox"/>		<input checked="" type="checkbox"/>
CSM-Mathematics	Ken	Keating	<input checked="" type="checkbox"/>		<input type="checkbox"/>
CSM-Physics	Ben	Rybolt	<input checked="" type="checkbox"/>		<input type="checkbox"/>
HONORS	Daniel	Audia	<input checked="" type="checkbox"/>		<input type="checkbox"/>
RCHSS-Anthropology & Geography	Wayne	Van Horne	<input type="checkbox"/>		<input checked="" type="checkbox"/>
RCHSS-Communication	Meredith	Ginn	<input checked="" type="checkbox"/>	Emily Holler	<input type="checkbox"/>
RCHSS-Composition & Literature	Jeanne	Bohannon	<input checked="" type="checkbox"/>		<input type="checkbox"/>
RCHSS-Criminal Justice & Sociology	Linda	Treiber	<input checked="" type="checkbox"/>		<input type="checkbox"/>
RCHSS-Foreign Languages	Audry	Garcia	<input checked="" type="checkbox"/>		<input type="checkbox"/>
RCHSS-History & Philosophy	Susan	Rouse	<input checked="" type="checkbox"/>		<input type="checkbox"/>
RCHSS-Interdisciplinary Studies	Lauren	Thompson	<input checked="" type="checkbox"/>		<input type="checkbox"/>
RCHSS-Political Science	Tom	Doleys	<input checked="" type="checkbox"/>		<input type="checkbox"/>
RCHSS-Psychology	Lauren	Tagialatela	<input checked="" type="checkbox"/>		<input type="checkbox"/>

**General Education Council
General Committee Meeting Attendance
November 16, 2021**

Faculty Executive Director of General Education and Curriculum Development	Kris	DuRocher	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Advising	Jerryl	Morris	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Assessment Office	Donna	DeGrendel	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Associate Vice President for Curriculum or designee	Anissa	Vega	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Chairs Directors Assembly	TBD		<input type="checkbox"/>		<input type="checkbox"/>
Curriculum Support Office**	Amy	Jones	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Curriculum Support Office**	Raven	Malliett	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Registrar or designee**	Gabriel	Lindo-Ardila	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Undergraduate Student Representative (SGA)**			<input type="checkbox"/>		<input type="checkbox"/>
Guests	First Name	Last Name			
CSM	Lake	Ritter			
RCHSS	Carmen	Skaggs			

General Education Council (GEC)
 General Committee Meeting
 November 16, 2021
 MS Teams
 12:30 p.m.

AGENDA

- I. Call to Order and Attendance (*Attendance is documented based on those individuals who type their name in the chat box.*)
- II. Approval of minutes from the October 21, 2021 General Committee meeting. (*If there are no corrections, the minutes will stand approved as written.*)
- III. GEC Executive Committee meeting summary
 - ARTS 1100 update
 - Areas B and C update
 - MATH 1179 discussion
- IV. New Business
 - Discussion of Curriculum Proposals:

Course Prefix and Title	Course Name	Type of Change	Goal of Change	Curriculog Proposal Link
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ENGL 2112	World Literature II (eCore)	Curricular approval, added to the catalog, approved to satisfy C1 outcomes	Compliance for awarding institutional and core curriculum credit	https://kennesaw.curriculog.com/proposal:13767/form
ENGL 2131	American Literature I (eCore)	Curricular approval, added to the catalog, approved to satisfy C1 outcomes	Compliance for awarding institutional and core curriculum credit	https://kennesaw.curriculog.com/proposal:13768/form
ENGL 2132	American Literature II (eCore)	Curricular approval, added to the catalog, approved to satisfy C1 outcomes	Compliance for awarding institutional and	https://kennesaw.curriculog.com/proposal:13769/form

			core curriculum credit	
HIST 1100	Survey of World History	Title and Course description	Align with USG 2.4.10 requirements	https://kennesaw.curriculum.com/proposal:13905/form
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HIST 2112	Survey of U.S. History II	Title and Course description	Align with USG 2.4.10 requirements	https://kennesaw.curriculum.com/proposal:13920/form
PSYC 1101	Introduction to General Psychology	Course description	Align with USG 2.4.10 requirements	https://kennesaw.curriculum.com/proposal:13971/form

V. Announcements

- Next GEC Executive Committee meetings: December 7, 2021 *and* January 4, 2022 at 12:30 p.m. via MS Teams.
- Next GEC General Committee meeting: January 18, 2022 at 12:30 p.m.

Meeting schedules with links, agendas, and minutes can be found on the <https://cia.kennesaw.edu> website under Curriculum Committees, GEC, Schedule/Agenda/Minutes.

Welcome!

The meeting will start shortly

We ask that everyone mute their mic and turn-off their camera when you are not speaking. (This will assist with bandwidth issues.)

We ask that you please use the “Raise Your Hand” feature to request to speak. (*You need to have the full screen shown to see the “raise your hand” icon.*)

- Click the icon and wait for your name to be called.
- If you are not called upon in a timely manner, speak during the next pause in the discussion.

Please turn on your camera when you are speaking for accessibility purposes.

[For individuals with any hearing impairment, “Live Captions” is available. To turn on “Live Captions”, click on the ellipsis (...) and select the option.]



General Education Council Meeting

November 16, 2021

Welcome and Attendance

Agenda



Agenda

I. Call to Order and Attendance

II. Approval of minutes from the October 21, 2021, General Committee meeting

III. GEC Executive Committee meeting summary

IV. New Business

V. Announcements

Agenda Approval

- If there are no updates or edits, the agenda will stand accepted as written.

Attendance

- Attendance is recorded by members and guests by typing their name in the Chat Box.
- If you are a proxy for a member, please note your name and then “proxy for <member name>”

Approval of Minutes

Oct. 21, 2021 minutes



Approval of October minutes

- Minutes from Oct. 21, 2021
- Any updates or changes?
- Please type a motion to approve in the chat
- Please type a second in the chat
- Vote: Please type your last name and yes to approve or no to not approve

GEC Executive Summary

Nov. 2, 2021 executive meeting



GEC EX Summary

- **ARTS 1100**
 - **Areas C
outcomes and
sub-headings
update**
 - **Area B sub-
headings**

MATH 1179

- **Lake Ritter**

New Business

Current Curriiculum Propsoals

IV.

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PSYC 1101

Introduction to General
Psychology

Course description

Align with USG
2.4.10 requirements

<https://kennesaw.curriculog.com/proposal:13971/form>

ENGL 2110

World Literature

Course description

Align with USG
2.4.10 requirements

COMM 1100

Human Communication

Prefix

Align with USG
2.4.10 requirements

<https://kennesaw.curriculog.com/proposal:13965/form>

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Announcements

Upcoming Meeting Schedule



V.

Announcements

- **Next GEC Executive Committee meetings: December 7, 2021, and January 4, 2022, at 12:30 p.m. via MS Teams.**
- **Next GEC General Committee meeting: January 18, 2022, at 12:30 p.m.**
- **Meeting schedules with links, agendas, and minutes can be found on the <https://cia.kennesaw.edu> website under Curriculum Committees, GEC, Schedule/Agenda/Minutes**

Adjournment

- **Motion to Adjourn**
- **Thank you!**



MATH 1179

Calculus for Life Sciences

Gen-Ed Council Meeting
November 16, 2021

Lake Ritter (lritter@kennesaw.edu)



If a student changes major, they will have five hours of Calculus instead of four. This seems a student success concern.

- Yes, some students may end up with 5 hours of Calculus instead of 4.
- Every change of major carries the risk of unused courses or additional credits.
- This will only involve students who self-select for an academic path that involves **more** mathematics (only applies if the new major requires MATH 1190[&]).

[&]Only applied if MATH 1190 is the required pre-co-requisite for some course in the degree



Some Data

SPRING 2021*

- 1154 Students Took MATH 1190
 - 21.5% were Biology majors**
 - Among Biology majors, 33% received a DFW grade
- 806 Students took MATH 2202
 - 0.9% were Biology majors (7 students)
 - 1 of the 7*** received a DFW grade

*Report provided by Senior Statistician (UITS)

** Between fall '16 and fall '20, Biology majors constituted \approx 14% of MATH 1190 seats.

*** 3 As, 2 Bs, 1 C, 1 D



Some Data

SPRING 2021[†]

- 297 students who took MATH 1190 were identified as having declared the Biology major *at some point*[#] as a KSU student.
- ≈73% of these were a Biology major in Spring 2021 and still are.
- ≈ 18% of these were a Biology major in Spring 2021 but have since changed (at least once). I counted 8 students(≈ 3%) who changed to a major requiring at least 1190.
 - Biochemistry, IT, EE and Computer Engineering, Computer Science, Chemistry, Mechanical Engineering (2), IET

[†] Information provided by Math Department Data Analyst with caveat that it may not be 100% accurate.

[#] Declarations date back as far as 2011



Initial Communication from Biology

"Because this will be a 3 credit hour course it will create a deficiency in the Area F lower-division requirements by one credit hour in both the Biology degree and the Environmental Science degree. This will be challenging to compensate because there aren't any one credit hour 1/2000 level courses, other than HPE courses (walk/jog, volleyball, soccer, etc. courses). Some other degree programs have flexible spaces in area F called lower-division electives, for which you can restrict the discipline or leave wide open. If a student took a 3 credit hour course to satisfy that one credit hour, the 2 credit hour overflow can be applied to free electives. This solution might be a little over engineered and may not be viewed positively because it could result in students taking more credit hours than 120 to complete their degree programs (although unintentionally)."



Closest USG Analog

GEORGIA STATE UNIVERSITY ATLANTA, GA

MATH 2201 CALCULUS FOR THE LIFE SCIENCES I

Limits, derivatives and applications. Exponential and logarithmic functions. Integrals, antiderivatives and the Fundamental Theorem of Calculus. Examples and Applications are drawn from the life sciences. **This course is not appropriate for mathematics, computer science, and physics majors or minors.**

Units:	4.0
Prerequisite:	MATH 1112 or MATH 1113 with a grade of C or higher, or appropriate score on the placement test
Department:	MATHEMATICS ⊕
Source catalog:	Georgia State University Bachelor-Level Undergraduate 2020-2021
Course history:	View Detail ⊕

(Highlighting added by me)



Closest USG Analog

MATH 2211 CALCULUS OF ONE VARIABLE I

Limits and Continuity, Differentiation, Mean Value Theorem for Derivatives; applications of differentiation; definition of the Integral; Fundamental Theorem of Calculus; applications of integration to area.

Units:	4.0
Prerequisite:	Math 1113 with grade of C or higher or a suitable score on the math placement test
Department:	MATHEMATICS ☒
Source catalog:	Georgia State University Undergraduate Catalog 2006-2007
Course history:	View Detail ☒

MATH 2212 CALCULUS OF ONE VARIABLE II

Applications and techniques of integration; transcendental and inverse trigonometric functions; polar coordinates; infinite sequences and series; indeterminate forms; improper integrals.

Units:	4.0
Prerequisite:	MATH 2211 with grade of C or higher
Department:	MATHEMATICS & STATISTICS ☒
Source catalog:	Georgia State University Bachelor-Level Undergraduate 2017-2018
Course history:	View Detail ☒

Note that MATH 2201
Calculus for Life Science 1
is not listed



What if students take the wrong course? I know they said advising would address this issue but how many students self-advise? This seems like with the course having a lower number than MATH 1190 of students might take it as a calculus course thinking it satisfies the calculus requirement.

This can be addressed by including appropriate language in the catalog description (in a manner similar to MATH 1160)

Suggested text:

Notes:

- Students completing this course may not also receive credit for MATH 1190.
- This course does not satisfy the prerequisite for MATH 2202, Calculus II.
- This course is not intended for students majoring in Mathematics, Chemistry, Biochemistry, Physics, or Engineering.



Why is the course remaining 4 hours? The presenter noted that they removed 6 units of information but have not reduced the credit hours.

- MATH 1179 is not MATH 1190 with six units removed. (The point of the six units is reference to topics/competencies related to MATH 2202 preparation.)
- This course will contain units not included in MATH 1190
 - Mathematical Models, Data, Sequences, and Functions
 - Functions as Models (review of basic functions)
 - Linear Approximations
 - Integration by Tables & Substitution
 - Separable Differential Equations in Mathematical Biology

If the MATH 1189 course is not in a program, will it be covered by financial aid?

The following comment was obtained from Benjamin Reppe, Assistant Director of Financial Aid, CPOS.

Hello Lake:

This will depend on how these courses are listed in the catalog. If they are listed as pre-requisites to the in-program class, then there will be no issue with TIV. We evaluate eligibility based on the active major going into the semester, so as long as the class is either listed on Degree Works or is a pre-requisite to a listed class, then we can pay federal aid.



How will they determine course substitutions if both math classes require the same math score to take? Based on major?

If we're talking about just the Math content, then based on the course designs, acceptable substitutions work as follows independent of the student's major:

MATH 1190 \Longrightarrow MATH 1160
MATH 1190 \Longrightarrow MATH 1179*
MATH 1179 \Longrightarrow MATH 1160
MATH 1189** \Longrightarrow MATH 1190

* At this time, this substitution wouldn't come up.

**Assumes credit for MATH 1179



Does the content reflect the correct credit hours? If content was removed shouldn't the credit hours be changed? What happens if it stays four hours but there is less content than other four credit hour courses? Will someone catch this?

See comments on previous question about the 4-credits and course material.

Why is this course not equivalent to MATH 1190 if it has the same requirements to get in and is the same credit hours?

The content of this course requires the same prerequisite knowledge and skill sets. These include

- Proficiency with basic algebra
- Knowledge of elementary functions (algebraic, transcendental, trigonometric)
- A course in trigonometry (which may be precalculus).

This course isn't *Calculus Lite*[™]. But it is designed as a terminal calculus course. It's an applied calculus course targeting a particular general field of applications.

