

**SCIENCE DEPARTMENT MEETING MINUTES\***

*FRIDAY, SEPTEMBER 11, 2020*

*Location: Zoom Discipline Groups*

***A&P/HSC Discipline Group***

FACULTY	PRESENT	ABSENT	EXCUSED
Anzalone, Jerry	X		
Fay, Erik	X		
Handte, Gordon	X		
Hepner, Roy	X		
Hooks, Ed	X		
Koepke, Jay	X		
Mason, Gregg	X		
Mera, Leonel	X		
Samaliazad, Esmaeel	X		
Vala, Teju	X		

**ADJUNCT FACULTY**

Ralph Laudan	X		
Theresa Clarke	X		

***BIO/MICRO/NUTRITION Discipline Group***

FACULTY	PRESENT	ABSENT	EXCUSED
Cameron, Angus	X		
Donini, Jordan	X		
Gaidos, Gabriel	X		
Hermann, Lisa			X
Ottman, Tina	X		
Romeo, Peggy	X		
Slisher, Jessica	X		
Trevino, Marcela	X		
Ulrich, Melanie	X		
Verga, Vera	X		
Mike Witty	X		

**ADJUNCT FACULTY**

Sandra Tirado	X		
Nina Infantado	X		

Ann Mantell	x
Nimmi Prabhu	x
Judy Robinson	x
Helena Kashleva	x
Doriann Cowan	x
Thalia Nittis	x
Don McGarey	x

x

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***CHEMISTRY Discipline Group***

FACULTY	PRESENT	ABSENT	EXCUSED
Commendatore, Eric	x		
Gaidos, Gabe			x
Hilton, Kim	x		
Liu, Qin	x		
Pasishnyk, Serhiy	x		
Xue, Di	x		
Zalessov, Valentin	x		

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***ENVIRONMENTAL/OCEAN/EARTH SCI/GEO Discipline Group***

FACULTY	PRESENT	ABSENT	EXCUSED
Cameron, Gus	x		
McKenzie, Jonathan	x		
Porter, Emily	x		
Sauer, Mike	x		

**ADJUNCT FACULTY**

Chad Evers	x
Judy Robinson	x
Don McGarey	x

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***PHYSICS/ASTRONOMY Discipline Group***

FACULTY	PRESENT	ABSENT	EXCUSED
Coman, Marius	x		
Coman, Luminita	x		
Manacheril, George	x		
Paudel, Yadab	x		
ADJUNCT FACULTY			
Judy Riley	x		

<b><i>Discussions</i></b>		
<b><i>No.</i></b>	<b><i>Topic</i></b>	<b><i>Highlights</i></b>
<b>1.</b>	<b><i>Break-outs into Discipline Meetings</i></b>	<p>For the <b>September 11<sup>th</sup></b> meeting, disciplines within our department met separately to discuss textbooks. Each discipline group met via Zoom. Minutes for each group were submitted to Peggy Romeo for compilation into a single document to be uploaded onto the Document Manager.</p> <p>The minutes for each of the five discipline-group minutes are itemized in the following table.</p>
<b>2.</b>	<b><i>Next Meeting</i></b>	The next meeting will be October 9 <sup>th</sup> , 2020.

**Discipline Group Discussions**

No.	Group	Highlights
1.	<p><b>Physics/Astronomy</b> Meeting was facilitated and minutes were prepared by <i>Marius Coman</i></p>	<ol style="list-style-type: none"> <li>1. <b>Gen Ed Assessment Information:</b> Faculty acknowledged ISC1001C, AST2002C, PHY2048/PHY2048L, PHY2049/PHY2049L, PHY2053/PHY2053L, PHY2054/PHY2054L, PHY1007C, PHY 1020C as courses that could be randomly selected to assess the Evaluate competency.</li> <li>2. <b>Course Assessment results for Fall 2019 and Spring 2020:</b> In Spring 2020 only 1 online section of PHY2048 was assessed; no longitudinal studies were performed, no comparisons-online traditional were performed; there were no new goals that needed to be set.</li> <li>3. <b>Common Finals this Fall 2020 semester:</b> <ul style="list-style-type: none"> <li>• Common Final for ISC1001 will be administered in Fall 2020 in proctorio.</li> <li>• Common final for PHY2048 will be administered in Fall 2020 in proctorio.</li> <li>• Yadab will be emailing the last version of the PHY2048 common final.</li> <li>• Although Luminita prepared the common final for AST2002C the faculty decided to start its administration in the Spring 2021.</li> <li>• Common finals for PHY1007C and PHY1020C were discussed; Latest versions will be circulated/shared so faculty could give feedback.</li> <li>• Neither questions nor answers -for the final common exam- shall be shuffled in canvas.</li> </ul> </li> <li>4. <b>Curriculum actions:</b> The PHY2048L syllabus was already approved; it just need to be updated in the document manager; we'll contact Andy to fix the PHY2048L syllabus template. PHY2053L Syllabus: The template in the document manager has been updated. Yadab contacted Andy and they've updated it. Marius will check the PHY2049L/PHY2054L in the document manager. If needed will submit a change of form proposal to the Curriculum Committee.</li> </ol>

## Discipline Group Discussions

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2.	<b>Biology/Micro/ Nutrition</b>  Meeting was facilitated, and minutes were prepared by <i>Marcela Trevino</i>	<p><b>1. Reviewed the following Gen Ed Assessment informational item:</b></p> <ul style="list-style-type: none"> <li>“Communicate” and “Evaluate” General Education Competencies to be evaluated AY 2020-21.</li> <li>For courses identified below, one or more sections of the course may be randomly selected to provide an assignment which the instructor feels is appropriate to meet that competency. NOTE: None of the courses in this discipline group are included for “Communicate”.</li> <li>The random selection and outreach to instructors occurs in the 3rd week of September.</li> <li>If a class is on the list, it DOES NOT mean that it has been selected yet, just that it is in the pool for potential selection.</li> <li>Peggy will find out whether this evaluation will only take place in the fall semester, or also in the spring.</li> </ul> <p style="text-align: center;"><b><i>EVALUATE</i></b></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 25%;">School</th> <th style="width: 50%;">Department</th> <th style="width: 25%;">Call Letters</th> </tr> </thead> <tbody> <tr><td>SoPAS</td><td>Biological Sciences</td><td>BSC 1005</td></tr> <tr><td>SoPAS</td><td>Biological Sciences</td><td>BSC 1005L</td></tr> <tr><td>SoPAS</td><td>Biological Sciences</td><td>BSC 1010</td></tr> <tr><td>SoPAS</td><td>Biological Sciences</td><td>BSC 1010L</td></tr> <tr><td>SoPAS</td><td>Biological Sciences</td><td>BSC 1011L</td></tr> <tr><td>SoPAS</td><td>Biological Sciences</td><td>MCB 2010C</td></tr> <tr><td>SoPAS</td><td>Biological Sciences</td><td>PCB 3023C</td></tr> <tr><td>SoPAS</td><td>Biological Sciences</td><td>PCB 3043C</td></tr> <tr><td>SoPAS</td><td>Biological Sciences</td><td>PCB 3063C</td></tr> <tr><td>SoPAS</td><td>Interdisciplinary Science</td><td>ISC 1001C</td></tr> <tr><td>SoPAS</td><td>Interdisciplinary Science</td><td>ISC 1002C</td></tr> <tr><td>SoPAS</td><td>Nutrition</td><td>HUN 1201</td></tr> </tbody> </table> <p><b>2. Discuss Course Assessment results:</b></p> <ul style="list-style-type: none"> <li>In the Spring 2020 term, data collection for all ground and concurrent dual enrollment formats was suspended as a result of the emergency transition into a remote learning environment in an effort to ease stresses on instructors/students lacking Proctorio experience, and to avoid compromising the integrity and security of exam questions. This meant that only online data is available for assessment, and given the small sample size, no comparison analysis could be completed.</li> </ul> <p><b>3. Determine goals for next year:</b></p> <ul style="list-style-type: none"> <li>Progress on existing goals was limited due to time constraints created by the pandemic, limitations on the amount of data collected in Spring 2020, or both; as such, goals are being rolled over and/or adjusted as follows.</li> </ul>	School	Department	Call Letters	SoPAS	Biological Sciences	BSC 1005	SoPAS	Biological Sciences	BSC 1005L	SoPAS	Biological Sciences	BSC 1010	SoPAS	Biological Sciences	BSC 1010L	SoPAS	Biological Sciences	BSC 1011L	SoPAS	Biological Sciences	MCB 2010C	SoPAS	Biological Sciences	PCB 3023C	SoPAS	Biological Sciences	PCB 3043C	SoPAS	Biological Sciences	PCB 3063C	SoPAS	Interdisciplinary Science	ISC 1001C	SoPAS	Interdisciplinary Science	ISC 1002C	SoPAS	Nutrition	HUN 1201
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		<p><b>BSC1005:</b> Continue revising LOs, aiming to decrease their total number. Peggy suggested we consider using a project-based assessment instead of a Common Final Exam (CFE), and she will try to obtain examples of assessment results obtained for courses using such artifacts. Tina questioned whether assessments that are subjectively scored by different instructors would be meaningful; Judy indicated that multiple graders might be needed, which is not feasible with our current capabilities.</p> <p><b>BSC1010:</b> Compare Fall 2019 CFE results with Fall 2020 CFE results, since some CFE questions were changed starting Spring 2019, but could not be compared with the limited amount of data available from Spring 2020.</p> <p><b>BSC1011:</b> Continue work on creating a new CFE, aiming to have it ready for use in Spring 2021.</p> <p><b>MCB2010C:</b> Rollover goals from Spring 2020 but expand for additional semester.</p> <p><b>HUN1201:</b> Work on building a question bank to assess each LO and create variable CFEs.</p> <p><b>General:</b> Peggy will add a reminder to the CFE Acknowledgement Form, so instructors do not shuffle the order of the questions or answer alternatives on the CFE, which makes data analysis impossible.</p> <p><b>4. Decide if/how to administer Common Finals this semester:</b></p> <ul style="list-style-type: none"> <li>Given the uncertainty of the delivery modes that will be used in Spring 2021, we decided to at least collect a partial amount of assessment data in Fall 2020. The following faculty members, who are either teaching ground courses (G) or are experienced in the use of Proctorio, volunteered to administer Common Final Exams this semester. All other faculty may choose whether or not to give a final exam, which must be of their own creation.</li> </ul> <p><b>BSC1010:</b> Jessica, Tina, Vera, Gus (G), Lisa (G)  <b>BSC1011:</b> Peggy, Tina, Gus (G), Mike (G)  <b>MCB2010C:</b> Mike (G)</p> <p><b>5. Determine if any curriculum actions are needed (Curriculum docs to be prepped and submitted by the mid-October deadline):</b></p> <ul style="list-style-type: none"> <li>The request from the Nursing Program to either make changes to MCB2010C or create a new, lower level microbiology course was discussed. Faculty expressed concerns regarding: the content and transferability of such a course; its suitability for other Health Professions programs/requirements; the impact on student success, especially since it might become a first-semester course for nursing students, and BSC1010 was removed as a pre-requisite course for</li> </ul>
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		<p>MCB2010C, A&amp;P courses, and HUN1201; the risk of outside students outcompeting FSW students for admission into the Nursing program. While Micro faculty have generally noticed a decline in student success since the removal of the BSC1010/L pre-requisite that took place in 2016, time-consuming data collection and analysis would need to be done to make a strong case about the expected detrimental effects of these types of “reduction of science content” programmatic changes. It was this decided that Don will organize a meeting with Nursing and Microbiology faculty present to discuss these concerns, as well as the nature and reasons for the requested new course/changes, including whether this is part of a new state-level model.</p> <p><b>6. New Business:</b></p> <ul style="list-style-type: none"> <li>• Vera reiterated Peggy’s email reminder about the importance of following SoPAS policy regarding the required use of an external camera for Proctorio. Don indicated exceptions may be made on a case by case basis and reminded faculty that CARES funds are still available through IT to provide cameras to students with financial needs.</li> <li>• New faculty were reminded about accepting the invitation to join SCOPE on Canvas to access discipline meeting documents placed there by our group.</li> <li>• Peggy reminded faculty mentors that they need to complete the TLC’s Mentoring Training if it’s been more than 3 years since they last took it.</li> <li>• Peggy indicated that Gus will be sharing information from the QEP Committee during a specially scheduled meeting with the entire Department in November.</li> <li>• Marcela shared information about Jacob’s departure from McGraw-Hill and our new rep; Tina will be gathering information about the shrinking validity of Connect access codes. For now, she can provide codes to students who purchased access last semester, but it expired.</li> </ul>
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***Discipline Group Discussions***

<b>No.</b>	<b>Group</b>	<b>Highlights</b>
3.	<p><b>Environ/Ocean/ Earth Science/ Geology</b></p> <p>Meeting was facilitated, and minutes were prepared by <i>Jon McKenzie</i></p>	<ol style="list-style-type: none"> <li>1. <b>Gen Ed:</b> EVR was selected so everyone given a heads up to start thinking which assignments would best fit the Evaluate criteria. Climate change and human population labs were both mentioned as possible choices.</li> <li>2. <b>Course Assessment Results:</b> Common final not given last spring so no results.</li> <li>3. <b>Common Final 20/21:</b> Jon and Gus will administer the EVR common final this Fall, Spring administration will depend on modalities.</li> <li>4. <b>Goals for 20/21:</b> Make it through the year meeting all academic standards. Finalize common final for ESC.</li> <li>5. <b>Curriculum Actions:</b> Present changes made to learning outcomes for EVR and ESC. Don joined to discuss the AS in Science and Engineering. We added options of OCE 1013C and ESC1000C to the choices of classes. Discussed potentially replacing or adding an Aquatic Science course to the current Marine Biology course to make it more accessible to other campuses. For next few meetings we will look through course catalogues to see if such a course exists and could transfer within the FL system.</li> <li>6. <b>Other Concerns:</b> Emily would like to look in to revising online EVR1001C. Chad mentioned helping create an online BSC1051C he currently teaches at FGCU. Judy requested new EVR outcomes and existing lab manual.</li> </ol>



## *Discipline Group Discussions*

<b>No.</b>	<b>Group</b>	<b>Highlights</b>
<b>4.</b>	<b>Chemistry</b> Meeting was facilitated, and minutes were prepared, by <i>Eric Commendatore</i>	<ol style="list-style-type: none"> <li>1. There was discussion on the noteworthy work that Serhiy did in the online efforts for the general chemistry laboratories and needs to be noted again in writing 😊. A special mention to Di's work with the 2025L kitchen experiments has also made a significant impact on being able to work from home. We thank you two (with a special and humble nod to Valentin for his efforts as well) for making this time of COVID not only viable but enhancing.</li> <li>2. Di and Kim are in the discussions about a non-science major chemistry course that would focus on 'everyday chemistry.' This class would focus more on concepts for everyday life without being bogged down in mathematical relations. I believe there is discussion for a laboratory portion as well. The goal is to create something different than what we have previously had and replace CHM 2025 for those that do not need to progress with chemistry.</li> <li>3. All professors are continuing their online presence in a variety of methods. Aside from those methods included above: Qin and I have started the discussion of choosing an online option for the Organic chemistry text for next year. We are hesitant to begin with any large changes amid COVID.</li> <li>4. As the pandemic threw a wrench into our course assessments, we did not spend more than a passing glance at the documents. The chemistry staff was also warned that they may be selected for a course assessment.</li> <li>5. We decided to take the Fall 2020 semester as a time to consider the options for how to administer a common final in the Spring of 2021. This means we have elected not to have a common final, yet I would like to have a method in mind at the end of our October meeting so we can begin constructing the exams by year's end.</li> </ol>

***Discipline Group Discussions***

<b>No.</b>	<b>Group</b>	<b>Highlights</b>
5.	<b>A&amp;P/HSC</b> Meeting was facilitated, and minutes were prepared by <i>Leo Mera</i>	<ol style="list-style-type: none"> <li>1. <b>Gen Ed Assessment Plan:</b> We spoke about the assessment plan and how it applies to A&amp;P courses, and how the instructor would have to comply if randomly selected.</li> <li>2. <b>Spring 2020 Assessment Results:</b> We did not give our Common Finals due to the emergency movement to online last spring, we don't have info to report.</li> <li>3. <b>Common final options:</b> We all agreed to skip Fall 2020, but Spring 2021 must happen, so these concerns must be attended to before that time.</li> <li>4. <b>Goals for next year:</b> Still trying to adapt to teaching online, dealing with Proctorio, external webcam issues, student complaints.</li> </ol>

*\*Minutes edited, collated, and recorded by Dr. Peggy Romeo*