I. Call To Order: The meeting was called to order at 12:00 pm on October 21, 2009 in the Conference Room 2603. Dr. Will Lynch presided.

II. Standing Items
A- The Minutes from September 16, 2009 were approved as presented.

B- Faculty Senate
Ms. Carpenter shared that three main issues were addressed during the last Senate meeting. They are as follows:
1- Summer Scheduling - Ms. Carpenter shared that summer scheduling was among the topics discussed during the Senate meeting last Monday. Unfortunately, the Senate has no authority regarding scheduling decisions. Nevertheless, a 4-4-6-8 summer session layout was forwarded to the VPAA. Both Ms. Carpenter and Dr. MacGowan, who attended the meeting as an alternate for Dr. Nivens, voted against the above summer session layout mainly because they did not want the 6th session to begin on June 15th, but rather on June 1st.

2- Resolution for the President – The Senate had asked three faculty committees to consider appropriate wording with which the Senate could work from in regards to the Resolution for the President of the University concerning furloughs. Unfortunately, this did not produce a recommendation related to furloughs in an appropriate time frame. Therefore, the Senate decided to pick a few people from each of those three committees to form a committee that would work on the resolution. It appears that three things would surface from this:

a- The question of impact regarding 10 month versus 12 month employees.
b- What part of our job will be reduced because our pay is being reduced.
c- Will furlough language be in all future contracts.

3- One Called Faculty Meeting Per Semester - Ms. Carpenter proceeded to say that a resolution has gone forward to the President requesting one called faculty meeting per semester. The Senate is anticipating to have that meeting at least next fall and most likely at the beginning of the semester when new faculty are introduced and the Senate
President reports on what the Senate has been doing and the Vice-Presidents would talk about strategic planning, etc. Overall, this would be informational in nature.

III. Committee Reports
A. Assessment Committee
1. In the absence of Dr.Clifford Padgett, Dr. Lynch reported that the Assessment Committee met on 9/25/2009 and looked at SAT data for students that took CHEM 1211 over the last 3 years and based on that data, the committee proposed the following to the departmental Curriculum Committee:

The assessment committee recommends that the prerequisite to CHEM 1211 be changed from “prerequisite or corequisite: MATH 1111” to “Prerequisite: a score of at least 500 on the mathematics portion of the SAT or completion of CHEM 1151 with a C or better” “Prerequisite or corequisite: MATH 1111”.

Rationale: Data over the last few years shows a strong correlation between students’ final grades in CHEM 1211 and their math SAT scores. Weaker students would be moved into CHEM 1151 for their benefit before taking CHEM 1211.

Please refer to attachment #1.

B. General Chemistry Committee – No Report.

C. Curriculum Committee/Chemistry
1. Dr. Smith proceeded to state that the attached Curriculum Committee Minutes from September 16/09 were mainly informational.

2- He continued to address item A of the Minutes from September 28/09. Regarding the examination of SAT/ACT related to CHEM 1211 performance, the faculty voted unanimously to change the prerequisite and co-requisite structure of CHEM 1211.

3- Proposal to separate CHEM 1211 lecture from the lab. Dr. Wallace made a motion for the Department Head to call a meeting of the Chemistry faculty to have a more in-depth discussion regarding the separation of CHEM 1211 lecture from the lab in order to better reflect and consider all the implications that this change could bring. The faculty voted unanimously to table the above proposal in order to discuss the issue at hand and other possible curriculum matters as well.

Please refer to Attachment #2.

Curriculum Committee/Physics
1- Mr. Jaynes requested approval from the department to re-submit to UCC the change of PHYS 4991 to PHYS 4991,-2, -3, -4 to allow for additional advanced research in Physics to be taken for additional credit and proper acknowledgment to be available for the department head and the registrar to place such on the transcript of the student. The faculty voted unanimously to take motion to UCC again.
2- Regarding combining the lecture/lab descriptions into one, the faculty voted unanimously in favor. A lower case k would be added to the courses instead of an L.

3- Regarding the name change of PHYS 3802 from Intermediate Modern Physics to Introduction to Quantum Mechanics. The faculty voted unanimously in favor of the change.

4- The faculty, also, voted unanimously in favor of adding (minimum grade of C) to The pre-requisite for PHYS 2211 of MATH 1161. Please refer to Attachment #3.

D. Exp. Activities Committee – No Report.

E. Safety Committee – No Report

F. ACS Certification Committee - Dr. Werner shared that Katie Verges has applied for the ACS Certified degree.

G. Planning Committee – No Report

IV. Old Business

A. Biochemistry Search Update - We have received 80 applications from various States. We are mainly receiving all the applications electronically and it seems to be operating very smoothly. Hard copies are being kept in the Conference Room and they are to be viewed only by members of the Search Committee. We are still on schedule for an early November review with the intentions to interview before the Holiday Season.

B. Budget Update – We are still in very good shape. We are having a very good year in terms of expenditures. Student fees are up because enrollment is also up. Seventy percent of travel has already been encumbered.

C. Tenure & Promotion – Dr. Lynch moved the Tenure & Promotion comments forward from our meeting to the Dean’s Office. He noticed that other departments also have similar issues and discussions in regards to Tenure and Promotion.

D. Planning

1. Dr. Lynch scheduled a photo shoot for November 20/09. It will also include students working on the Organic and General Chemistry labs as well as research students in chemistry and physics.

2. Newsletter

a. Dr. Lynch talked about re-instituting the Newsletter. He asked for input regarding that and encouraged everyone to be thinking about the contribution he/she may make to the Newsletter. Ms. Carpenter suggested that the Newsletter be printed once a year during the summer to recap the annual activities, the faculty concurred unanimously.

V. New Business
A. Faculty Status – Dr. Hizer proposed to nominate Dr. Zipperer for Emeritus Status. The faculty voted unanimously in favor. Dr. Lynch will further discuss with Dr. Hizer regarding a letter of support. For more information regarding Emeritus Status, please refer to Attachment #4.

B. Biology – The faculty examined the Memo related to the Biology Department’s proposal for curriculum revision. Although we are in support of its general direction, we are still somewhat concerned about the impact on our CHEM and PHYS courses (namely CHEM 2102 & PHYS 1112).

C. Advisement – Dr. Lynch reminded everyone that advisement begins on Monday, November 2/09. He also noted that there is no Reading Day this semester.

D. December 7/09 Luncheon – Dr. Lynch announced that we will have our departmental luncheon on Monday, December 7/09. He also shared that CHEM 4500 seminars will take place on November 30th, December 2nd and December 4th at noon.

E. Dr. Lynch thanked everyone for attending the Effort Meeting and reminded everyone that there is another call for the MRI in January 2010. The College has put in two NSF MRI:
   a-the super computer from Computer Science and
   b- the TEM from our Department.

Dean Shields has given priority to these two being re-submitted in case they are not funded during the January cycle. Also, if either one is funded, we need to be thinking about research instrumentation.

V. Announcements
A. Good News – Ms. Carpenter encouraged the faculty to attend the Georgia Academy of Science’s annual meeting, which will be held on March 26-27, 2010 in Columbus State University at the Cunningham Center in Columbus, GA. She mentioned that Dr. Ellen Moomaw is the Chemistry Section Chair and she just got an NSF RUI grant.

B. Faculty Lecture - Dr. Wallace took the opportunity to thank everyone who attended his lecture on “Development and Evaluation of Bananas for Non-tropical climates” held on 10/16/09.

C. Dr. Lynch announced that Patrick Sisco will be graduating in August 2010. He is currently in Illinois working with Dr. Cathy Murphy (formerly of Univ. of South Carolina)

VI. Adjournment
The meeting was adjourned at 1:16pm.
ATTACHMENT #1

Department of Chemistry and Physics
Meeting of the Assessment Committee
9/25/2009

Present: Cathy MacGowan and Cliff Padgett (presiding)

Absent: Donna Mullenax (excused)

The meeting was called to order at 3:30

1. The committee looked at SAT data for students that took CHEM 1211 over the last 3 years. Based on this data the committee proposed the following to the departmental Curriculum Committee.

   The assessment committee recommends that the prerequisite to CHEM 1211 be changed from “prerequisite or corequisite: MATH 1111” to “Prerequisite: a score of at least 500 on the mathematics portion of the SAT or completion of CHEM 1151 with a C or better” “Prerequisite or corequisite: MATH 1111”

   Rationale: Data over the last few years shows a strong correlation between students’ final grades in CHEM 1211 and their math SAT scores. Weaker students would be moved into CHEM 1151 for their benefit before taking CHEM 1211.
ATTACHMENT #2

Chemistry Curriculum Committee Minutes
Department of Chemistry and Physics
September 28, 2009

Present: Joshua Smith, Suzanne Carpenter, and Brent Feske
Visitors: Delana Nivens, Todd Hizer, Eric Werner, and Cathy McGowan

I. Call to Order
The meeting was called to order at 12:05 PM

II. Standing Business

A. Examine SAT/ACT information related to CHEM 1211 performance

From the Department Assessment Committee:

The assessment committee recommends that the prerequisite to CHEM 1211 be changed from “prerequisite or corequisite: MATH 1111 or MATH 1001” to “Prerequisite: a score of at least 500 on the mathematics portion of the SAT or completion of CHEM 1151 with a C or better” “Prerequisite or corequisite: MATH 1111”

Rationale: Data over the last few years shows a strong correlation between students’ final grades in CHEM 1211 and their math SAT scores. Weaker students would be moved into CHEM 1151 for their benefit before taking CHEM 1211.

A motion was made to accept the recommendation above but after further discussion, the motion did not pass and an alternative recommendation was proposed (see below).

Revision of the Assessment Committee statement and rationale

CHEM 1211 PRINCIPLES OF CHEMISTRY I 3-3-4
Prerequisite or corequisite: MATH 1111 or a score of at least 500 on the mathematics portion of the SAT or completion of CHEM 1151 (minimum grade of B)
First course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics include composition of matter; nomenclature; atomic structure; bonding and molecular geometries;
stoichiometry; properties of solids, liquids, gases; acids and bases; thermochemistry; and periodic relations. The lab reinforces these topics.

Rationale: Data over the last few years shows a strong correlation between students’ final grades in CHEM 1211 and their math SAT scores (see graph below). Weaker students would be moved into CHEM 1151 or be required to complete MATH 1111 before taking CHEM 1211. This will improve upon the student competence in either their chemical or mathematical conceptual understanding. The assessment committee will evaluate this change in two years to determine if this change has better prepared the students for success or determine if the change has had a detrimental effect on student performance.

A motion was made and passed to recommend these changes to the Department faculty for approval.

B. Examine the co-req requirement for general chemistry lab

The Committee discussed the pros and cons of having the grade for CHEM 1211 include both the lecture and lab components. Recent discussion among the Department faculty members has indicated that perhaps the students would be better served by splitting out the lab to create CHEM 1211L for one hour credit and reducing the credit for CHEM 1211 to three hours. A motion was made and passed to make the following recommendations to the Department faculty for approval (the following includes those modifications recommended above in item A).

i) CHEM 1211 PRINCIPLES OF CHEMISTRY I 3-3-4 3-0-3
Prerequisite or corequisite: MATH 1111 or a score of at least 500 on the mathematics portion of the SAT or completion of CHEM 1151 (minimum grade of B)
Prerequisite or corequisite: CHEM 1211L
First course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics include composition of
matter; nomenclature; atomic structure; bonding and molecular geometries; stoichiometry; properties of solids, liquids, gases; acids and bases; thermochemistry; and periodic relations. The lab reinforces these topics.

**CHEM 1211L PRINCIPLES OF CHEMISTRY I LAB** 0-3-1

Prerequisite or corequisite: CHEM 1211

Analytical applications of chemical laws and principles emphasized through laboratory investigations.

ii)

**CHEM 1212 PRINCIPLES OF CHEMISTRY II** 3-3-4 3-0-3

Prerequisite: CHEM 1211 (minimum grade of C) and CHEM 1211L (minimum grade of C) and MATH 1111

Prerequisite or corequisite: CHEM 1212L

Second course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics include solutions; thermodynamics; equilibria; kinetics; electrochemistry; nuclear chemistry; descriptive inorganic chemistry; and introduction to organic chemistry, and polymers. The lab reinforces these topics.

**CHEM 1212L PRINCIPLES OF CHEMISTRY II LAB** 0-3-1

Prerequisite or corequisite: CHEM 1212

Analytical applications of chemical laws and principles emphasized through laboratory investigations.

Rationale: Data over the last few years shows that the intended purpose of improving student performance has not been clearly achieved based on student letter grades and overall GPA (see table below). Additionally, making this change allows more flexibility for students that need or want to repeat either the general chemistry lecture or laboratory to do so without occupying a space in both lecture and lab as is the current situation. This will allow for more efficient service of additional students.

<table>
<thead>
<tr>
<th></th>
<th>Gen Chem 1211</th>
<th>Spring 06-Fall 08</th>
<th>Gen Chem 1212</th>
<th>Spring 06-Fall 08</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ave lecture grade</td>
<td>73.34</td>
<td>Ave lecture grade</td>
<td>73.72</td>
<td></td>
</tr>
<tr>
<td>Ave lab grade</td>
<td>85.56</td>
<td>Ave lab grade</td>
<td>85.90</td>
<td></td>
</tr>
<tr>
<td>Ave combined grade</td>
<td>76.40</td>
<td>Ave combined grade</td>
<td>76.70</td>
<td></td>
</tr>
<tr>
<td>GPA combined lec/lab</td>
<td>9.02</td>
<td>GPA combined lec/lab</td>
<td>9.17</td>
<td></td>
</tr>
<tr>
<td>GPA separated lec/lab</td>
<td>9.27</td>
<td>GPA separated lec/lab</td>
<td>9.41</td>
<td></td>
</tr>
</tbody>
</table>

iii)

**CHEM 2101 ORGANIC CHEMISTRY I** 3-0-3

Prerequisite: CHEM 1212 and CHEM 1212L

Prerequisite or corequisite: CHEM 2101L

Fundamental principles and theories of organic chemistry. Topics include bonding, organic functional groups, organic synthesis, and spectroscopic analysis of organic molecules.
CHEM 2700 DESCRIPTIVE AND MATERIALS CHEMISTRY 2-0-2
Prerequisite: CHEM 1212 and CHEM 1212L
Topics include descriptive chemistry of the main group elements, the transition elements, and industrial chemical processes.

CHEM 3071 PRINCIPLES OF CHEMICAL PROCESSES I 2-0-2
Prerequisite: CHEM 1212 and CHEM 1212L and MATH 1161
Introduction to methods of material and energy balance in chemical processes. Emphasis on process variables, systems of units, gas behavior, single/multiphase systems, and energy changes in reactive/non-reactive processes. (Credit in CHEM 3071 may not be applied to the major field requirement in chemistry.)

CHEM 3100 FORENSIC CHEMISTRY 3-4-4
Prerequisite: CHEM 1212 and CHEM 1212L
Fundamental principles of chemical forensics. Topics include but are not limited to explosives, soil, paint, blood and body fluid chemistry. Laboratory component reinforces the topics covered with a hands-on approach. (Credit in CHEM 3100 may not be applied to the major field requirement in chemistry.)

CHEM 5700U HISTORY OF CHEMISTRY 3-0-3
Prerequisite: CHEM 1212 and CHEM 1212L or PHSC 1212
Survey of the development of chemistry and its relationship to the study of science. Prominent chemists, chemical theories, and implications of science covered. Written and oral presentations. (Credit in CHEM 5700U may not be applied to the major field requirement in chemistry.)

Rationale: The addition of CHEM 1211L or CHEM 1212L to the courses that list CHEM 1211 or CHEM 1212 as a prerequisite was a logical step after separating the laboratory courses from the lecture courses. (see items i and ii)

III. New Business

A. Evaluate upper level chemistry electives- 4000 level courses

A motion was made and passed for the committee to examine the 4000 level advanced chemistry courses at the next meeting scheduled for Friday, October 16 at 3:00 PM.

IV. Meeting adjourned

The meeting was adjourned at 1:00 PM.
Chemistry Curriculum Committee Minutes  
Department of Chemistry and Physics  
October 16, 2009

Present: Joshua Smith, Suzanne Carpenter, and Brent Feske  

I. Call to Order  
The meeting was called to order at 3:05 PM

II. Standing Business  
A. Evaluate upper level chemistry electives - 4000 level courses  
   i) The committee discussed the current upper level course format.  
      The committee has decided to pursue the removal of the Advanced  
      4000 Chemistry courses.  
   ii) The committee discussed how to handle the loss of the lab hours  
       associated with those courses and decided to visit this issue in  
       more detail at a later date. The loss of these lab hours will not  
       impact the current ACS guidelines for required lab hours (400  
       hours) to keep our ACS accreditation.  
   iii) The committee discussed replacing the Advanced courses with  
       several 2 credit lecture based courses. The list of proposed courses  
       are: Bioanalytical Chemistry, Chemistry of Materials, Plagiarism  
       & Misconduct in Science, Bioinorganic Chemistry, NMR Methods  
       in Chemistry, Applied Organometallic Chemistry and Catalysis,  
       Environmental Chemistry, Medicinal Chemistry, and Molecular  
       Level Organic Chemistry. These along with Forensics Chemistry,  
       Biochemistry I, and Biochemistry II currently in the course  
       catalog. The committee chair will contact department faculty  
       members who proposed a course as well as those who did not and  
       ask that more formal course proposals (in catalog format and  
       including a rationale) be submitted prior to the next meeting.

III. New Business  
   A. Further investigate the 2 credit lecture course creation  
   B. Evaluate the impact on the BA and BS degree programs

A motion was made and passed for the committee to move forward with  
investigating the upper level chemistry course change at the next meeting  
scheduled for Friday, November 6 at 12:00 PM.

IV. Meeting adjourned  
The meeting was adjourned at 4:05 PM.
Minutes of the Physics Curriculum Committee
Meeting Date/Time: Tues., 9/22/09 at 2:00pm-3:00pm
Meeting Location: SC 2402
Present: Leon Jaynes (Chairman), William Baird, Jeffery Secrest,
& Donna Mullenax (Guest)

1. Approved creating PHYS 4992, PHYS 4993, PHYS 4994 Advanced Research in
Physics with the same description for each with PHYS 4991 as a prerequisite for PHYS
4992, with PHYS 4992 as prereq. for PHYS 4993, etc.
(Rationale: This is needed for clarity in reading of the transcript of a student to insure
that the student has taken the course again for additional credit, not for the purpose of
getting a better grade in the same course.)

Subsequent to the meeting it was discovered that there is a different model for
accomplishing this that is in place in another location besides the CHEM 4991, -2,-3, -4
Advanced Research in Chemistry. The 2nd model is POLS 4620, -30, -40 INTERNSHIP

It is requested that the following change be sent back to the University Curriculum
Committee for reconsideration as it had previously been approved by all channels up to
the UCC and was tabled for clarification. The request is that the title of PHYS 4991 be
changed to PHYS 4991, -2, -3, -4 to allow for additional advanced research in Physics to
be taken for additional credit and proper acknowledgement to be available for the
department head and the registrar to place such on the transcript of the student.

2. Approved combining the labs with the lecture for PHYS 1111, 1112, 2211, & 2212 by
changing the course descriptions as follows:

PHYS 1111 INTRODUCTORY PHYSICS I
(3-0-3) (3-3-4)
Prerequisite: MATH 1113 with a grade of C or better
Prerequisite or Corequisite: PHYS 1111L
Introductory mechanics, thermodynamics, and waves using elementary algebra
and trigonometry including laboratory investigation of the concepts of
mechanics, thermodynamics, and waves.

PHYS 1112 INTRODUCTORY PHYSICS I
(3-0-3) (3-3-4)
Prerequisite: PHYS 1111 (minimum grade of C) and PHYS 1111L (minimum
grade of C)
Prerequisite or Corequisite: PHYS 1112L
Introductory electromagnetism, optics, and modern physics using elementary
algebra and trigonometry including laboratory investigation of the concepts of
electromagnetism, optics, and modern physics.
PHYS 2211  PRINCIPLES OF PHYSICS I  (3-0-3) (3-3-4)
Prerequisite:  MATH 1161 (minimum grade of C)
Prerequisite or Corequisite:  PHYS 2211L
Introductory mechanics, thermodynamics, and waves using elementary differential calculus including laboratory investigation of the concepts of mechanics, thermodynamics, and waves.

PHYS 2212  PRINCIPLES OF PHYSICS II  (3-0-3) (3-3-4)
Prerequisite:  PHYS 2211 (minimum grade of C) and PHYS 1111L (minimum grade of C)
Prerequisite or Corequisite:  PHYS 2212L
Introductory electromagnetism, optics, and modern physics using elementary algebra and trigonometry including laboratory investigation of the concepts of electromagnetism, optics, and modern physics.

Delete PHYS 1111L, PHYS 1112L, 2211L, & 2212L

Rationale:  We are currently teaching these courses as “Studio Physics” with the lecture and lab scheduled together. Combining the lecture/lab descriptions into one will facilitate scheduling and registering, as students would register for one course instead of two that have to be coupled at registration. This would also clarify the assignment of the one grade for the course including the lab for which the lab would be used as 25% instead of assigning separate grades.

3. Approved changing the title of PHYS 3802 from INTERMEDIATE MODERN PHYSICS to INTRODUCTION TO QUANTUM MECHANICS
Rationale:  This title more accurately conveys the content covered in the course as conveyed in the course description. In the physics discipline, the title with quantum mechanics is more appropriate for this upper level course.

4. Approved adding (minimum grade of C) to the Prerequisite for PHYS 2211 of MATH 1161. The additions of minimum grade of C to the prerequisites for other physics courses is working well to insure better prepared students. (This has been included in Item 1 course description change request.)

5. The upper division course rotation was discussed. It was agreed that PHYS 3120 and PHYS 3801 are needed for Spring 2010 and PHYS 3802 and PHYS 4120 are needed for Fall 2010.

6. The lecture/lab structure of PHYS 3120 DIGITAL ELECTRONICS was discussed and it was agreed that the current structure of (1-6-3) is the proper distribution for this course. The many different topics addressed in this course best serves the students with the extra lab time for “hands-on” experimental work instead of needing more lecture time with less lab work.
7. Space and scheduling issues were discussed and the committee agreed to recommend to Dr. Lynch the scheduling of PHYS 2211/2211L in SC2402 on TuTh in addition to MWF as a way to better utilize space. Mr. Jaynes reported that he had replied to Dr. Lynch’s request for approximate cost to equip SC 2404 for both PHYS 2211/2211L and PHYS 2212/2212L would require approx. $135,000 to add 16 stations not counting the LCD projector. This figure was arrived at based on the adding of 4 stations at the point of conversion to studio physics which required approx. $35,000.

8. Discussion began for developing tracks or options in the physics degree. It was agreed that when developed the tracks or options developed should be in the AASU catalog. This will be an item of continuing business for future meetings.

Respectfully Submitted,
Leon Jaynes, Chairman
SECTION N. Emeritus Status

The criteria for emeritus status are as follows (Regents’ Policy 803.17):

1. Emeritus status should only be awarded to a retired and tenured professor, associate professor or assistant professor.

2. An individual recommended for emeritus status must have been employed by the University System of Georgia for at least ten years.

3. An individual recommended for emeritus status must have demonstrated distinction in the areas of teaching, scholarship, and service, as defined in each individual’s department.

4. An individual recommended for emeritus status must have the endorsement by a majority vote of the faculty of the department of the discipline of the individual being recommended.

Such appointments must be recommended by the appropriate department head/program Director, approved by the dean of the college/school, the vice president and dean of faculty, the president and the Board of Regents. The president of the university is authorized and is responsible for initiating and making recommendations for emeritus Status for members of the administrative staff, when appropriate, and when criteria 2 and 3 above have been met.

8.3.13 Emeritus/a Title – BOR Policy Manual

A president may, at his/her discretion, confer the title of emeritus/a on any retired faculty Member or administrative officer who, at the time of retirement, had ten (10) or more Years of honorable and distinguished USG service, provided, however, that the title of President Emeritus/a may be conferred only by the Board of Regents on the recommendation of the Chancellor (BoR Minutes, January 2009).