Minutes
University Curriculum Committee
28 September 2000

The meeting was called to order at 2:00 in room 104-B Browser. Members and staff present: Michael Aho, David Batie, Chesley Black, Sharon Bland, Steven Estes, Monica Hough, Thomas Huener, Ron Graziani, Dale Knickerbocker, Iona Poston, Rita Reeves, Chuck Singhas, Elizabeth Smith, James O. Smith and Rick Taylor.

Item        Description and Action
1. The minutes of the 14 September meeting were the list of officers.
2. Mr. Singhas presented the unbanking of BIOL 2140/41 & 2150/51. Ms. Poston moved approval- Mr. Estes seconded. The motion passed.
3. Rick Bamberg and Susan smith presented the package of changes from Clinical Laboratory Sciences. Questions arose as to which courses needed the designation of "formerly" in the title. These changes were included in the appropriate courses. Mr. Knickerbocker moved approval as amended-Mr. Singhas seconded. The motion passed.
4. Donna Hollar presented the package of changes from the Department of construction Management. There was discussion as to the need for prerequisite change in these courses, the changes reflect current best thought and practice. Mr. Estes moved approval-Mr. Knickerbocker seconded. The motion passed.
5. The unbanking of MKTG 3352 was withdrawn as the package lacked a syllabus. This item will return to the agenda when a syllabus is submitted.
6. Mike Spur and Tim Hudson presented changes to the BA in mathematics--this item corrected errors in the catalog. Mr. Singhas moved approval - Mr. Estes seconded. The motion passed.
7. Mulata Wubneh presented the package of changes from the Department of Urban and Regional Planning. Mr. Knickerbocker moved approval- Mr. Taylor seconded. The motion passed.
8. The course revisions from the Department of History were withdrawn until they are accompanied with a syllabus.
9. The committee discussed the proposed changes in the report of the Committee on Committees. The consensus of the members was the committee needed a broader representation that perhaps other committees, a representative from the VCAA's office and links to the staff were vital to the work of the committee and that the committee was efficient as is.

The committee adjourned at 3:30.
University Curriculum Committee  
Catalog Copy of September 28, 2000

**College of Arts and Sciences**

**Department of Biology**

p. 293: Unbank BIOL course as follows:

**2140, 2150. Human Physiology and Anatomy (3,3)** May not count toward general education science requirement. May not count toward BIOL major or minor. P: 1 CHEM course; P for 2150; BIOL 2140; C for 2140: BIOL 2141; C for 2150: BIOL 2151. Two-semester integrated course. Normal physiology and functional anatomy of human organ systems.

**2141, 2151. Human Physiology and Anatomy Laboratory (1,1)** 3 lab hours per week. May not count toward general education science requirement. May not count toward BIOL major or minor. P for 2151: BIOL 2141; C for 2141: BIOL 2140; C for 2151: BIOL 2150. Two-semester integrated labs. Application of anatomical and physiological concepts.

************************

**Department of Mathematics**

p. 110: Revise BA IN MATHEMATICS as follows

Add after text “Credit toward... C.” The degree offers three concentration areas: mathematics, computer science, and statistics. The mathematics concentration requires a minor and the computer science and statistics concentrations require specified cognates in lieu of a minor.

Minimum degree requirement... as follows:
3. Common Core change hours from 24 s.h. to 27 s.h..
Add: MATH 3307. Mathematical Statistics I (3) (F) (S) (SS) [P: MATH 2172]

Replace 4. Concentration area and 5. Cognates with the following:

4. Concentration area to include minor or specified cognates as listed below. (Choose one area.) 30-39 s.h.

a) Computer Science (34 s.h.):
   I. CSCI 3573. Introduction to Numerical Analysis (3) or MATH 5121. Numerical Analysis in One Variable (3) or MATH 5122. Numerical Analysis in Several Variables (3) [P: MATH 3256, 4331; CSCI 2600 or equivalent knowledge of PASCAL or PL/1]
   II. Choose 6 s.h. of MATH electives numbered above 2999, excluding MATH 3229, 3237, 3239, 4323, 4324, 4325, 5251, 5265, 5266, 5267, 5268
   III. Cognates (25 s.h.):
      CSCI 2510. Introduction to Computer Science I (3) (F) (S) (SS) [P: MATH 1065 or 1066]
      CSCI 2610, 2611. Introduction to Computer Science and Laboratory II (4,0) (F) (S) (SS) [P: CSCI 2510, C for 2610: CSCI 2611; C for 2611: CSCI 2610]
      CSCI 3510. Data Structures (3) (F) (S) (SS) [P: CSCI 2610; MATH 2119 or 2171]
      CSCI 3601. Computer Organization and Programming (3) (F) (S) [P: CSCI 3510 or 3526]
      CSCI 3650. Analysis of Algorithms (3) (S) [P: CSCI 3510; MATH 2427]
      MATH 2427. Discrete Mathematical Structures (3) (F) (S) [P: MATH 1065 or 1066]
      Choose 6 s.h. from:
CSCI 3526. Switching Theory and Computer Organization (3) (F) (S) (SS) [P: CSCI 2610; MATH 2427]
CSCI 3675. Organization of Programming Language (3) (F) (SS) [P: CSCI 3510]
CSCI 3700. Database Management Systems (3) (F) [P: CSCI 2618 or 3510]
CSCI 3800. Introduction to Computer Graphics (3) (F) [P: MATH 3584 or 3256; CSCI 3510]
CSCI 4200. Software Design and Development (3) (WI) (F) [P: CSCI 3510 and computer science major]
CSCI 4520. Introduction to Computer Architecture (3) (S) [P: CSCI 3526, 3601; computer science major]
CSCI 4627. Procedural Languages and Compilers (3) (S) [P: CSCI 3601, 3675; computer science major]
CSCI 4630. Operating Systems I (3) (SS) [P: CSCI 3601 and computer science major]
MATH 4332. The Calculus of Finite Differences (3) [P: MATH 2173]

b) Mathematics (33-39 s.h.):
I. CSCI 2600. Introduction to Digital Computation (3) (F) (S) [P: MATH 1065 or 1066]
II. Choose 6 s.h. of MATH electives numbered above 2999, excluding MATH 3229, 3237, 3239, 4323, 4324, 4325, 5251, 5265, 5266, 5267, 5268
III. Minor (24-30 s.h.)

c) Statistics (30 s.h.):
I. CSCI 2600. Introduction to Digital Computation (3) (F) (S) [P: MATH 1065 or 1066]
II. Choose 9 s.h. of MATH electives numbered above 2999, excluding MATH 3229, 3237, 3239, 4323, 4324, 4325, 5251, 5265, 5266, 5267, 5268 and excluding cognates listed below.
III. Cognates (18 s.h.):
   CSCI 5774. Programming for Research (3) (F) (S) [P: General course in statistics or consent of instructor]
   MATH 3308. Mathematical Statistics II (3) (F) [P: MATH 3307]
   MATH 5031. Applied Statistical Analysis (3) (WI) (S) [P: MATH 2228 or 3308; 3584; or equivalent]
   MATH 5801. Probability Theory (3) (F) [P: MATH 2173 or 3307]
Choose 6 s.h. from:
   BIOS 3501. Experimental Design I (3) [P: Consent of instructor]
   BIOS 4371, 4372, 4373. Statistical Consulting I, II, III (1,1,1) [P: BIOS 3501 or equivalent or consent of instructor]
   BIOS 5450. Applied Multivariate Analysis. (3) P: BIOS 3501; MATH 3256; or equivalent or consent of instructor.
   BIOS 5500. Nonparametric Statistical Methods (3) [P: BIOS 3501 or consent of instructor]
   BIOS 5575. Introduction to Survivorship Analysis (3) [P: MATH 3256, 3308; or consent of instructor]
   DSCI 4493. Statistical Quality Control (3) (F) [P: MATH 2228 or 2283 or equivalent]
   ECON 3343. Econometrics (3) (F) (S) (GE:SO) [P: DSCI 2223 or CSCI 2600; ECON 2133; MATH 2283]
   ECON 4430. Business Cycles and Forecasting (3) [P: ECON 3244, 3343; or consent of instructor]
   MATH 4201. Introduction to Stochastic Processes (3) (S) [P: MATH 3307 or equivalent or consent of instructor]
   MATH 5000. Introduction to Sampling Design (3) (F) P: MATH 3308 or 3229 or consent of instructor.
5. Electives to complete requirements for graduation.

School of Allied Health Sciences
Department of Clinical Laboratory Science

p. 133: 3. Cognates. Delete BIOL 3310, 3311 as required course and reduce the required hours from 26 s.h. to 22 s.h.

Changes were approved which will affect the core requirements for the 2001-2002 catalog and other changes were approved which will affect the core which will appear in the 2002-2003 catalog.

p. 132: Core requirements for the 2001-2002 catalog should appear as follows:

2. Core

   CLSC 3410. Hematology I (3) (F) (Formerly CLSC 3110) [P: CLSC major]
   CLSC 3411. Hematology Laboratory (1) (F) (Formerly CLSC 3111) [P: CLSC major; C: CLSC 3410]
   CLSC 3420 Hematology II (3)(S) (Formerly CLSC 3120). [P: CLSC major; CLSC 3410, 3411; or consent of instructor]
   CLSC 3421. Hematology II Laboratory (1)(S)(Formerly CLSC 3121). [P: CLSC major; CLSC 3410, 3411; or consent of instructor]
   CLSC 3430 Clinical Immunology (2) (F) (Formerly CLSC 3130) [P: Consent of instructor]
   CLSC 3440, 3441 Clinical Microscopy and Serology Lecture and Laboratory (2,1)
   (SS)(Formerly CLSC 3110,3111,3130, 3131)[P: CLSC 3430]
   CLSC 4210, 4211. Immunohematology Lecture and Laboratory (3,1) (SS) [P: CLSC 3430; consent of instructor]
   *CLSC 4300. Clinical Laboratory Management (3) (WI) (S) [P: Consent of instructor]
   *CLSC 4302. Research Project (2) (F) [P: CLSC major and consent of instructor]
   CLSC 4305. Special Topics in Clinical Laboratory Science (1) (S) [P: CLSC major and consent of instructor]
   CLSC 4430, 4431. Clinical Chemistry I (2,1) (F) (Formerly CLSC 4530, 4531) [P: 4 courses in CHEM; PSYC 2101 or other statistics course; consent of instructor for nonmajors]
   CLSC 4440, 4441 Clinical Chemistry II (4,2) (S) (Formerly CLSC 4540,4541)[P: CLSC 4430, 4431 and consent of instructor for nonmajors]
   CLSC 4450. Teaching in the Clinical Laboratory (2) (F) [P: CLSC major and consent of instructor]
   CLSC 4460,4461. Clinical Microbiology I (4,2) (F) (Formerly CLSC 4560,4561) [P: BIOL 2110, 2111; or 3220, 3221; or consent of instructor]
   CLSC 4470, 4471. Clinical Microbiology II (3,2)(S)(Formerly CLSC 4450,4451,4570)[P: CLSC 4460, 4461; or consent of instructor]
   CLSC 4480, 4481. Clinical Microbiology III (2,1) (SS)(Formerly CLSC 4550,4551)[P: Consent of instructor]
   CLSC 4803 Introduction to Clinical Laboratory Information Systems (3) (S) [P: CLSC major or consent of instructor]
   **CLSC 4992. Clinical Education—Hematology, Coagulation, Urinalysis (4) (F) (S) [P: CLSC 3120, 3121; consent of instructor]
**CLSC 4993. Clinical Education–Chemistry (4) (F) (S) [P: CLSC 4540, 4541]
**CLSC 4994. Clinical Education–Blood Bank and Serology (4) (F) (S) [P: CLSC 4210, 4211]
**CLSC 4997. Clinical Education–Microbiology (4) (F) (S) [P: CLSC 4560, 4561]

*Students must complete CLSC 4300, 4302 to satisfy the 3 s.h. requirement for writing intensive courses in the major.**

**Affiliated hospitals for CLSC 4992, 4993, 4994, 4997 include Craven Regional Medical Center, New Bern, Nash Health Care System, Rocky Mount, and Pitt County Memorial Hospital, Greenville.

p. 132: Core requirements for the 2002-2003 catalog should appear as follows:

2. Core 67 s.h.

   CLSC 3410. Hematology I(3) (F) (Formerly CLSC 3110) [P: CLSC major]
   CLSC 3411. Hematology Laboratory (1) (F) (Formerly CLSC 3111 [P: CLSC major; C: CLSC 3410]
   CLSC 3420. Hematology II(3(S)(Formerly CLSC 3120)(P: CLSC major; CLSC 3410, 3411; or consent of instructor]
   CLSC 3421. Hematology II Laboratory (1)(S)(Formerly CLSC 3121)(P: CLSC major; CLSC 3410, 3411; or consent of instructor]
   CLSC 3430 Clinical Immunology (2)(F)(Formerly CLSC 3130)(P: Consent of instructor]
   CLSC 3440, 3441 Clinical Microscopy and Serology Lecture and Laboratory (2,1)
   (S)(Formerly CLSC 3110,3111,3130, 3131)(P: CLSC 3430]
   CLSC 4210, 4211. Immunohematology Lecture and Laboratory (3,1) (SS) [P: CLSC 3430; consent of instructor]
   CLSC 4430, 4431. Clinical Chemistry I (2,1)(F)(Formerly CLSC 4530,4531)(P: 4 courses in CHEM, PSYC 2101 or other statistics course; consent of instructor for nonmajors]
   CLSC 4440, 4441. Clinical Chemistry II (4,2) (S) (Formerly CLSC 4540,4541)(P: CLSC 4430, 4431 and consent of instructor for nonmajors]
   CLSC 4460,4461.Clinical Microbiology I (4,2) (F)(Formerly CLSC 4560,4561). [P: BIOL 2110, 2111; or 3220, 3221; or consent of instructor]
   CLSC 4470, 4471. Clinical Microbiology II (3,2)(S)(Formerly CLSC 4450,4451,4570)(P: CLSC 4460, 4461; or consent of instructor]
   CLSC 4480, 4481. Clinical microbiology III (2,1)(SS)(Formerly CLSC 4550,4551)(P: Consent of instructor]
   CLSC 4801,4802. Professional Practice Issues I,II (4,4)(WI, WI) (F,S) (Formerly CLSC 4300,4302,4305,4450 [P:CLSC major]
   CLSC 4803 Introduction to Clinical Laboratory Information Systems (3) (S) [P: CLSC major or consent of instructor]

**CLSC 4992. Clinical Education–Hematology, Coagulation, Urinalysis (4) (F) (S) [P: CLSC 3120, 3121; consent of instructor]
**CLSC 4993. Clinical Education–Chemistry (4) (F) (S) [P: CLSC 4540, 4541]
**CLSC 4994. Clinical Education–Blood Bank and Serology (4) (F) (S) [P: CLSC 4210, 4211]
**CLSC 4997. Clinical Education–Microbiology (4) (F) (S) [P: CLSC 4560, 4561]

**Affiliated hospitals for CLSC 4992, 4993, 4994, 4997 include Craven Regional Medical Center, New Bern; Nash Health Care System, Rocky Mount; and Pitt County Memorial Hospital, Greenville.

p. 305: Add new CLSC course effective Spring 2002 as follows:

4803. Introduction to Clinical Laboratory Systems (3) (S) 3 lecture hours per week, P: CLSC major or consent of instructor.
4210, 4211. Immunohematology Lecture and Laboratory (3,1) (SS) 3 lecture and 3 lab hours per week. P: Consent of instructor. Basic concepts. Emphasis on basic lab techniques and resolution of problems in preparation and administration of blood components.

pp. 304-05: Renumber and revise CLSC courses, effective for the semester designated, as follows:

3110, 3111 (effective fall 2001)
3410, 3411. Hematology I Lecture and Laboratory (3,1) (F) (Formerly CLSC 3110, 3111) 3 lecture and 3 lab hours per week. Formation and morphology of cellular elements of blood and hematologic findings in anemias. Lab covers manual hematologic analyses, peripheral blood and bone marrow smear evaluations for normal samples, and samples from anemias.

3120, 3121 (effective spring 2002)
3420, 3421. Hematology II Lecture and Laboratory (3,1) (S)(Formerly CLSC 3120, 3121) 3 lecture and 3 lab hours per week. P: CLSC 3410, 3411. Hematologic findings in hemolytic anemias, various types of infections, storage diseases, leukemias and myeloproliferative disorders, myelodysplastic syndromes, plasma cell diseases, and lymphomas. Normal hemostasis, hemostatic disorders, and lab evaluation and monitoring of hemostasis. Overview of hematology instrumentation.

3130 (effective summer 2002)
3430. Clinical Immunology (2) (F) (Formerly CLSC 3130) 2 lecture hours per week. P: Consent of instructor. Basic principles. Emphasis on concepts used in clinical lab.

3110, 3111, 3130, 3131 (effective summer 2002)
3440, 3441. Clinical Microscopy and Serology Lecture and Laboratory (2,1) (SS)(Formerly CLSC 3110, 3111, 3130, 3131) 2 lecture and 3 lab hours per week. P: CLSC 3430. Introduction to characteristics and methods of chemical and microscopic examination of urine and other non-blood body fluids. Basic concepts of immunology as applied to serological analyses used in clinical lab. Lab introduces basic tests and techniques used in clinical microscopy and serology.

4530, 4531 (effective fall 2001)
4430, 4431 Clinical Chemistry I (2,1) (F) (Formerly CLSC 4530, 4531) 2 lecture and 3 lab hours per week. P: 4 courses in chemistry; 1 course in statistics; consent of instructor. Application of basic principles of analytical and biochemistry to measurement of chemical constituents in body fluids.

4540, 4541 (effective spring 2001)
4440, 4441. Clinical Chemistry II (4,2) (Formerly 4540, 4541) (S) 4 lecture and 6 lab hours per week. P: CLSC 4430, 4431; or consent of instructor. Application of basic principles of analytical and biochemistry to analysis of chemical constituents in body fluids and relationship to disease states.

4560, 4561 (effective fall 2001)
4460, 4461. Clinical Microbiology I (4,2) (F) (Formerly CLSC 4560, 4561) P: BIOL 2110, 2111; or 3220, 3221; or consent of instructor. 4 lecture and 6 lab hours per week. Essentials of clinical bacteriology.

4550, 4551 and 4570 (effective spring 2002)
4470, 4471. Clinical Microbiology II. (3,2) (S) (Formerly CLSC 4550, 4551, 4570) 3 lecture and 6 lab hours per week. P: CLSC 4460, 4461; or consent of instructor. Essentials of select clinically
significant bacteria (Mycobacteria, Chlamydia, Mycoplasma, etc.), clinical mycology, and clinical virology.

4550, 4551 (effective summer 2002)  
**4480, 4481. Clinical Microbiology III (2,1) (SS) (Formerly CLSC 4550, 4551) 2 lecture and 3 lab hours per week. P: CLSC 4470, 4471; or consent of instructor. Essentials of clinical parasitology.**

4300, 4302, 4305, 4450 (4801 effective fall 2002; 4802 effective spring 2003)  
**4801, 4802. Professional Practice Issues I, II (4,4) (WI, WI) (F,S) (Formerly CLSC 4300, 4302, 4305, 4450) 4 lecture hours per week. P: CLSC major. Professional issues related to current practice in clinical lab science. Basic research design and statistics as applied to clinical lab, human rights protection in research, basic epidemiology, infection control monitoring, educational methodology as applied to clinical and continuing education in clinical laboratory science, management theories and practices as applied to the clinical lab, personnel and fiscal management of clinical lab resources, basic health care reimbursement, and research project applicable to clinical lab.**

******************************

**School of Industry and Technology**

**Department of Construction Management**

Revise CMGT 3100, 3101 as follows:  
*pp. 197, 198, and 306:* Delete CMGT 2660, 2661 from a prerequisite in CMGT 3100, 3101.  
*pp. 197, 198, and 306:* Change CMGT 2664 from a prerequisite to a Prerequisite or Corequisite (P/C) in CMGT 3100, 3101.

Revise CMGT 3662, 3663 as follows:  
*pp. 198, and 306:* Delete PHYS 1260, 1261 from a prerequisite in CMGT 3662, 3663.

Revise CMGT 4600 as follows:  
*pp. 198, and 306:* Delete CMGT 3660 from a prerequisite in CMGT 4600.

Revise CMGT 4662 as follows:  
*pp. 198, and 306:* Modify CMGT 4660 from being a P/C to be a Prerequisite. Add sentence after P: 4660 as follows: P: CMGT 4660. Students with a 2.75 or higher cumulative GPA may take CMGT 4460 as corequisite. Application of... distribution.

Revise CMGT 4666 as follows:  
*pp. 198, and 307:* Delete ITEC 3292 from being a Prerequisite in CMGT 4666. Add CMGT 2666 as a prerequisite in CMGT 4666.

*pp. 197 and 198:* Replace ITEC 3292 Industrial Safety with EHST 3926 as follows:  
**EHST 3926. Construction Safety (3) (F) (S)**

******************************

**Department of Planning**

*p. 206* Revise the BS in urban and regional planning, by changing 4. Concentration area to 4. Area of Emphasis, as shown below.  
4. Area of Emphasis

*pp. 207-208:* Revise the BS in urban and regional planning, by changing 5. Minor field or concentration area to 5. Minor or Concentration area, as shown below.
5. Minor or Concentration area (In consultation with the planning adviser, choose a minor from another discipline or two concentration areas from below, with a minimum of 9 s.h. chosen from each of the two areas.)

This change necessitates removing "Minor Fields:" and all text including Concentrations (If ...area.) The concentration fields would begin with Accounting and Public Finance and the remainder of the text, through 6., would remain the same.

**pp. 209-210** Revise the urban and regional planning minor
Change the name from Urban and Regional Planning Minor to Planning Minor

Replace text "The urban...follows." with The planning minor offers two options: coastal planning and development, and urban and regional planning. The minor requires 24 s.h. of credit as follows:

Insert the following in place of 2. Electives...  

2. Option (Choose one from the following.)  

**Coastal Planning and Development Option:**  

- PLAN 3021. Introduction to Planning Techniques (3) (F)  
- PLAN 4001. Field Methods in Planning (3) (S) (SS)  
- PLAN 4005. Environmental Impact Assessment in Planning (3) (F) (SS)  
- PLAN 4015. Emergency Management Planning (3) (F) (SS)  
- PLAN 4025. Housing and Neighborhood Planning (3) (F)  
- PLAN 4040. Community Facilities Planning and Capital Budgeting (3) [P: PLAN 3031 or equivalent]  
- PLAN 4086. Site Design (3) (F)  
- PLAN 5025. Coastal Area Planning and Management (3) (S) (SS) [P: Consent of instructor]  
- PLAN 5035. Community Planning for Health Facilities (3)  
- PLAN 5045. Environmental Resources Planning and Management (3) (S) [P: PLAN 3010 or equivalent or consent of instructor]  
- PLAN 5055. Soils in Planning (3) (F) [P: Consent of instructor]  
- PLAN 5065. Land Use Planning (3) (F)  
- PLAN 5095. International Development Planning (3) [P: Consent of instructor]  
- PLAN 5985. Historic Preservation Planning (3)  

**Urban and Regional Planning:**  

- PLAN 3015. Planning for Circulation (3) (S)  
- PLAN 3021. Introduction to Planning Techniques (3) (F)  
- PLAN 4025. Housing and Neighborhood Planning (3) (F)  
- PLAN 4040. Community Facilities Planning and Capital Budgeting (3) [P: PLAN 3031 or equivalent]  
- PLAN 4086. Site Design (3) (F)  
- PLAN 5025. Coastal Area Planning and Management (3) (S) (SS) [P: Consent of instructor]  
- PLAN 5035. Community Planning for Health Facilities (3)  
- PLAN 5045. Environmental Resources Planning and Management (3) (S) [P: PLAN 3010 or equivalent or consent of instructor]  
- PLAN 5055. Soils in Planning (3) (F) [P: Consent of instructor]  
- PLAN 5065. Land Use Planning (3) (F)  
- PLAN 5095. International Development Planning (3) [P: Consent of instructor]  
- PLAN 5985. Historic Preservation Planning (3)  

******************************************************************************