MEMORANDUM

TO: Mr. Kevin Snyder  
Coordinator for Curriculum Management  
Auburn University

FROM: Dr. Susan Hubbard  
Associate Dean  
College of Human Sciences

DATE: November 29, 2012

RE: Course code change for Consumer and Design Sciences Department

The purpose of this memorandum is to request all courses currently listed in the Bulletin with CAHS prefixes be changed to CADS prefixes to be consistent with the recently approved department name change.

Attached to this correspondence are the copies of forms previously submitted to the Curriculum Committee requesting the aforementioned course prefix change. In addition, a copy of the current Bulletin course listing is attached to reflect the courses requiring prefix changes. Please let me know if you need additional information. Thank you.
Request For A BANNER Code / New Course Prefix

1. Proposing College / School: Human Sciences
   Department: Consumer and Design Sciences (new name)

2. Status of Request:  ○ For New Program  ○ For Existing Program
   Previous Program Title: Consumer Affairs Department

3. Effective Term: Fall 2012

4. Preliminary Major Code Requested: CADS

5. Course Prefix Requested:
   CADS
   (Provide information for the above items on the basis of what the proposed addition/revision will necessitate. If a program does not require a new course prefix, Item 5 may be left blank. If a new course prefix request does not involve a program, Item 4 may be left blank.)

6. CIP Code:

7. Program Details:
   (Provide the degree type and name as it will appear in the Auburn University Bulletin.)
   Web Title:
   (Indicate how program should be listed on web for application – e.g.: Chemistry, Textile)

8. Codes for Student Tracking (Appearing on Transcript):
   Minor Title:  Preliminary Minor Code Requested:

9. Codes for Student Tracking (Not Appearing on Transcript):
   Concentration Title:  Preliminary Concentration Code Requested:

Approvals

Carol L. Warfield
Department Chair / Head

College / School Curriculum Committee

Director, Office of Institutional Research and Assessment
Request For A BANNER Code / New Course Prefix

1. Proposing College / School: Human Sciences
   Department: Consumer and Design Sciences (new name)

2. Status of Request:  
   ☐ For New Program  
   ☐ For Existing Program

3. Effective Term: Fall 2012

   Previous Program Title: PhD Integrated Textile & Apparel Science

4. Preliminary Major Code Requested: CADS

5. Course Prefix Requested: CADS

   (Provide information for the above items on the basis of what the proposed addition/revision will necessitate. If a program does not require a new course prefix, Item 5 may be left blank. If a new course prefix request does not involve a program, Item 4 may be left blank.)

<table>
<thead>
<tr>
<th>Program Type</th>
<th>Program Title</th>
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<tbody>
<tr>
<td>PhD</td>
<td>Consumer and Design Sciences</td>
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</tbody>
</table>

   Web Title: apparel design, interior design, apparel merchandising, consumer

   (Indicate how program should be listed on web for application – e.g.: Chemistry, Textile)

6. CIP Code: 19.0905

7. Program Details:
   (Provide the degree type and name as it will appear in the Auburn University Bulletin.)

8. Codes for Student Tracking (Appearing on Transcript):
   Minor Title: 
   Preliminary Minor Code Requested: 

9. Codes for Student Tracking (Not Appearing on Transcript):
   Concentration Title: AMDP or INDS options
   Preliminary Concentration Code Requested: 

Approvals

Carol L. Hasfield
Department Chair / Head
Date: 5/11/12

College / School Curriculum Committee
Date: 5/11/12

College / School Dean
Date: 

Director, Office of Institutional Research and Assessment
Date: 
Request For A BANNER Code / New Course Prefix

1. Proposing College / School: Human Sciences
   Department: Consumer and Design Sciences (new name)

2. Status of Request: ☐ For New Program
   ☑ For Existing Program
   Previous Program Title: M.S. in Apparel & Textiles (old name)

3. Effective Term: Fall 2012

4. Preliminary Major Code Requested: CADS
   6. CIP Code: 19.0905

5. Course Prefix Requested: CADS
   (Provide information for the above items on the basis of what the proposed addition/revision will necessitate. If a program does not require a new course prefix, Item 5 may be left blank. If a new course prefix request does not involve a program, Item 4 may be left blank.)

   Program Type: (e.g.: BS, MA, etc.)
   Program Title: Consumer and Design Sciences

7. Program Details: (Provide the degree type and name as it will appear in the Auburn University Bulletin.)

   Web Title: apparel design, interior design, apparel merchandising, consumer

   (Indicate how program should be listed on web for application – e.g.: Chemistry, Textile)

8. Codes for Student Tracking (Appearing on Transcript):
   Minor Title: Preliminary Minor Code Requested:

9. Codes for Student Tracking (Not Appearing on Transcript):
   Concentration Title: AMDP or INDS options Preliminary Concentration Code Requested:

Approvals

Carol L. Wasfield
Department Chair / Head

Date: 5/11/12

Susan Hubbard
College / School Dean

Date: 5/11/12

Director, Office of Institutional Research and Assessment

Date
BUSI 7140/7146 ORGANIZATIONAL LEADERSHIP AND CHANGE (3). LEC. 3. Integrated course covering aspects of individual and group behavior and assessment in organizations, effective team building, and leading organizations through change. Departmental approval.

BUSI 7210/7216 MARKETING AND CONSUMER THEORY (3). LEC. 3. Combines elements of the economics of demand theory and marketing management. Includes advanced pricing topics and the competitive environment. Departmental approval.

BUSI 7220/7226 OPERATIONS AND INFORMATION TECHNOLOGY FOR COMPETITIVE ADVANTAGE (3). LEC. 3. The structure of business operations and the role that information technology plays in formulating and implementing strategies for competitive advantage. Departmental approval.

BUSI 7230/7236 COST ANALYSIS AND SYSTEMS (3). LEC. 3. Integrates production and cost theory from economics with managerial and cost accounting theory and systems for MBA students. Departmental approval.

BUSI 7920/7923 MBA INTERNSHIP (1-6). AAB.getInt. SU. Internship for MBA students in business organizations. Course may be repeated for a maximum of 6 credit hours. Departmental approval.

BUSI 7970/7978 SPECIAL TOPICS IN BUSINESS ADMINISTRATION (1-3). AAB. Specailized topics in business administration not otherwise covered in existing courses. Departmental approval. Course may be repeated for a maximum of 6 credit hours.

BUSI 7990/7998 INTEGRATED BUSINESS PROJECT AND CASE ANALYSIS (3). LEC. 3. Integrates knowledge gained from MBA classes and applies that knowledge to address actual business problems. Departmental approval.

Consumer Affairs (CAHS)
Dr. Carol Warfield - 844-4084
CAHS 1000 STUDIO I: INTRODUCTION TO INTERIOR DESIGN (4). LEC. 3. LST. 3. Introduction and application of design theory to interior design and consumer products.


CAHS 1600 TEXTILE INDUSTRIAL COMPLEX (3). LEC. 3. Introduction to the composition, characteristics, and products of the network of fiber producers, textile manufacturers, dyers, finishers, apparel manufacturers, and retailers.

CAHS 1740 AESTHETICS FOR DESIGN (3). LEC. 3. Elements and principles of design and their application in industries such as textiles, apparel, and retail.

CAHS 2000 GLOBAL CONSUMER CULTURE (3). LEC. 3. Sustainability and social responsibility provide a framework for the study of cultural, commercial, and aesthetic factors influencing the selection and usage of consumer products and services that create and express social identity. Credit will not be given for both CAHS 2000 and CAHS 2007.

CAHS 2007 HONORS GLOBAL CONSUMER CULTURE (3). LEC. 3. Pr., Honors College. Sustainability and social responsibility provide a framework for the study of cultural, commercial, and aesthetic factors influencing the selection and usage of consumer products and services that create and express social identity. Credit will not be given for both CAHS 2007 and CAHS 2000.

CAHS 2100 STUDIO III: VISUAL PRESENTATION OF INTERIOR DESIGN I (4). LEC. 2. LST. 6. Pr., CAHS 1100 and CAHS 1000 Development of visual communication skills for interior design and consumer products.

CAHS 2200 STUDIO IV: CAD FOR INTERIOR DESIGN (4). LEC. 2. LST. 6. Pr., CAHS 2100 Application of graphic visualization and computer-aided design techniques to represent interior design.

CAHS 2300 HISTORY OF THE DECORATIVE ARTS (3). LEC. 3. Pr., CAHS 1000 and Core Fine Arts. Historical survey of interior design and the decorative arts from antiquity to present.

CAHS 2400 INTERIOR MATERIALS AND COMPONENTS (3). LEC. 3. Pr., CAHS 1000 Survey of finishes, textiles, materials, and components. Introduction to health, safety, and environmental issues that impact consumers. Fall.

CAHS 2500 STUDIO V: VISUAL PRESENTATIONS II (4). LEC. 2. LST. 6. Pr., CAHS 2100 Development of color visual communication skills for interior design ideas and concepts. Spring.

CAHS 2700/2701 INTRODUCTION TO NONPROFIT ORGANIZATIONS (3). LEC. 3. Introduction to mission, structure, and impact of nonprofit organizations at the local, state, national and international levels. May count either CAHS 2700 or CAHS 2701.

CAHS 2740 DESIGN COMMUNICATION: CAD AND ILLUSTRATION (4). LEC. 2. LECT/STU. 4. Pr., CAHS 1740, Departmental approval. Exploration of computer-aided design software and illustrative techniques that facilitate apparel design and communication during product development in the apparel industry.

CAHS 2750 PRODUCT DEVELOPMENT: TECHNICAL DESIGN (4). LEC. 2. LST. 4. Pr., CAHS 2740 and CAHS 2800 Apparel pattern development through drafting, fit pattern manipulation and draping; custom apparel production.
CAHS 4910 PRACTICUM IN PHILOSOPHY AND NONPROFIT ORGANIZATION (3, Pr. (CAHS 2700 or CAHS 2703) or CAHS 3700 or CAHS 3703 or CAHS 3770) Supervised practicum experience with a philosophy or nonprofit organization. Departmental approval.

CAHS 4920 INTERNSHIP (6, A.A.B. INT. 8, A.) Apparel Merchandising B) Apparel Design C) Interior Design. Supervised 10 week professional internship. Departmental approval. 2.0 gapped GPA. Junior standing.

CAHS 4960 SPECIAL PROBLEMS IN DESIGN (1-3, Ind. A.) Apparel, B) Interior Design, C) Visual Merchandising, D) Textile Design. Creative solution of design problems. Departmental approval. 2.0 gapped GPA. Course may be repeated for a maximum of 9 credit hours.

CAHS 4967 HONORS SPECIAL PROBLEMS (1-3, Ind. SU. Pr., Honors College. Readings in specialized topics. Departmental approval. Course may be repeated for a maximum of 6 credit hours.

CAHS 4980 UNDERGRADUATE RESEARCH IN CONSUMER AFFAIRS (1-3, Ind. SU. Pr., 3.5 GPA. Departmental approval. Participation as an undergraduate research assistant (URA) for a Consumer Affairs research project under the supervision of a CA faculty member. Course may be repeated for a maximum of 6 credit hours.

CAHS 4997 HONORS THESIS (3, SU. Pr., Honors College. CAHS 4997 Research in specialized topics. Departmental approval.

CAHS 5300 STUDIO XI: HOSPITALITY DESIGN (4, C) LEC. 2, LAB. 6. This course is designed for the college student with a degree in hospitality design. This course focuses on the design of large hospitality projects with emphasis on design of surrounding environments. Credit may only be used for CAHS 5300 or 6300.

CAHS 5400 STUDIO XI: HEALTH CARE DESIGN (4, LEC. 2, LAB. 6. This course is designed for the college student with a degree in interior design. This course focuses on the design of larger scale institutional projects with emphasis on design of a healing environment. Credit may only be used for CAHS 6450 and CAHS 5450. Departmental approval. Graduate standing.

CAHS 6450 HISTORY OF COSTUME (3, LEC. 3. Historical roles of dress in western civilization. Cultural, social, and physical evolution. Credit will not be given for both CAHS 6450 and CAHS 5450. Departmental approval.

CAHS 6460 FASHION INDUSTRY SINCE 1910 (3, LEC. 3. Fashion history, designers and businesses from 1910 to the present. May count either CAHS 5610, 6610, MKTG 4330, 4440. Departmental approval.

CAHS 6460 GLOBAL SOURCING IN TEXTILES AND APPAREL (3, LEC. 3. Strategies for successful global business expansion for textile and apparel retailers. Credit given for only one of: CAHS 5610, 6610, MKTG 4330, 4440. Departmental approval.

CAHS 6500 FASHION AND APPAREL EVALUATION (4, LEC. 2, LAB. 6. The importance of textile and apparel products in the international economy. Credit will not be given for both CAHS 5500 and CAHS 6600. Graduate standing.

CAHS 6510 GLOBAL RETAILING STRATEGIES FOR TEXTILE AND APPAREL PRODUCTS (3, LEC. 3. Core, History or departmental approval. 2.0 gapped GPA. AMDP major. Historical roles of dress in western civilization and physical evolution. Credit will not be given for both CAHS 5450 and CAHS 5460.

CAHS 6540 FASHION INDUSTRY SINCE 1910 (3, LEC. 3. Fashion history, designers and businesses from 1910 to the present. May count either CAHS 5610, 6610, MKTG 4330, 4440. Departmental approval.

CAHS 6560 GLOBAL SOURCING IN TEXTILES AND APPAREL (3, LEC. 3. The role of fiber, textile, and apparel industries in the international economy. 2.0 gapped GPA.

CAHS 6560 FASHION AND APPAREL EVALUATION (4, LEC. 2, LAB. 6. The importance of textile and apparel products in the international economy. Credit will not be given for both CAHS 5500 and CAHS 6600. Graduate standing.

CAHS 6570 ENTREPRENEURSHIP IN APPAREL AND INTERIORS (3, LEC. 3. Analyzing business opportunities in textiles, apparel and interiors; developing marketing concepts and entrance strategies. Credit will not be given for both CAHS 5700 and CAHS 6700. Graduate standing.

CAHS 6570 GLOBAL SOURCING IN TEXTILES AND APPAREL (3, LEC. 3. Core, History or departmental approval. 2.0 gapped GPA. AMDP major. Historical roles of dress in western civilization and physical evolution. Credit will not be given for both CAHS 5450 and CAHS 5460.

CAHS 6570 HISTORY OF TEXTILES (3, LEC. 3. Cultural, economic, material, technological, and aesthetic perspectives on the evolution of textiles. Credit will not be given for both CAHS 5700 and CAHS 6700. Graduate standing.

CAHS 6600 FASHION AND APPAREL EVALUATION (4, LEC. 2, LAB. 6. The importance of textile and apparel products in the international economy. Credit will not be given for both CAHS 5500 and CAHS 6600. Graduate standing.

CAHS 6600 GLOBAL SOURCING IN TEXTILES AND APPAREL (3, LEC. 3. Core, History or departmental approval. 2.0 gapped GPA. AMDP major. Historical roles of dress in western civilization and physical evolution. Credit will not be given for both CAHS 5500 and CAHS 6600. Graduate standing.

CAHS 6610/6616 GLOBAL RETAILING STRATEGIES FOR TEXTILE AND APPAREL PRODUCTS (3, LEC. 3. Strategies for successful global business expansion for textile and apparel retailers. Credit given for only one of: CAHS 5610, 6610, MKTG 4330, 4440. Departmental approval.

CAHS 6650 FASHION AND APPAREL EVALUATION (4, LEC. 2, LAB. 6. The importance of textile and apparel products in the international economy. Credit will not be given for both CAHS 5500 and CAHS 6600. Graduate standing.

CAHS 6650 GLOBAL SOURCING IN TEXTILES AND APPAREL (3, LEC. 3. Core, History or departmental approval. 2.0 gapped GPA. AMDP major. Historical roles of dress in western civilization and physical evolution. Credit will not be given for both CAHS 5450 and CAHS 5460.

CAHS 6700 ENTREPRENEURSHIP IN APPAREL AND INTERIORS (3, LEC. 3. Analyzing business opportunities in textiles, apparel and interiors; developing marketing concepts and entrance strategies. Credit will not be given for both CAHS 5700 and CAHS 6700. Graduate standing.

CAHS 6710 GLOBAL SOURCING IN TEXTILES AND APPAREL (3, LEC. 3. Core, History or departmental approval. 2.0 gapped GPA. AMDP major. Historical roles of dress in western civilization and physical evolution. Credit will not be given for both CAHS 5450 and CAHS 5460.

CAHS 6720 HISTORY OF TEXTILES (3, LEC. 3. Cultural, economic, material, technological, and aesthetic perspectives on the evolution of textiles. Credit will not be given for both CAHS 5700 and CAHS 6700. Graduate standing.

CAHS 6730 HISTORY OF TEXTILES (3, LEC. 3. Cultural, economic, material, technological, and aesthetic perspectives on the evolution of textiles. Credit will not be given for both CAHS 5700 and CAHS 6700. Graduate standing.

CAHS 6780/6786 FASHION ANALYSIS AND FORECASTING (3, LEC. 3. Analyzing fashion dynamics and techniques for forecasting change with case applications in textiles, apparel and retailing. Credit will not be given for both CAHS 5640 and CAHS 5660. Departmental approval.

CAHS 6850 APPAREL MERCHANDISING AND RETAIL MANAGEMENT (4, LEC. 3, LAB. 2. Problem-solving and decision making strategies for retailing apparel, textiles, and other consumer products. Credit will not be given for both CAHS 5700 and CAHS 6700. Or departmental approval.

CAHS 7000 ENTREPRENEURSHIP IN APPAREL AND INTERIORS (3, LEC. 3. Analyzing business opportunities in textiles, apparel and interiors; developing marketing concepts and entrance strategies. Credit will not be given for both CAHS 5700 and CAHS 6700. Or departmental approval.

CAHS 7040 PROTOCOL FOR GRADUATE STUDY (1, LEC. 1. SU. Introduction to policies, practices, and expectations for successful completion of the graduate degree.

CAHS 7050 RESEARCH METHODS IN CONSUMER AND DESIGN SCIENCES (3, LEC. 3, Pr., STAT 5600-8699 or FOUN 7200 or ERMA 7300) Research and investigation methods appropriate to the study of consumer and textile sciences. Departmental approval.

CAHS 7060 SURVEY OF CONSUMER AND DESIGN SCIENCES RESEARCH (3, LEC. 3. Presentation and discussion of a broad array of research topics to support literature review development.

CAHS 7100 ENVIRONMENTAL DESIGN THEORIES AND APPLICATIONS (3). LEC. 3. Pr., CAHS 5400 Theories, methodological, and current issues relevant to interior design: sociological, psychological, ecological, and post-modern perspectives. Departmental approval.

CAHS 7200 INTEGRATED TEXTILE AND APPAREL COMPLEX (3, LEC. 3. Components, linkages, concepts and process in an integrated, global textile/apparel retail industry. Fall. Departmental approval.

CAHS 7500 ECONOMICS OF APPAREL AND TEXTILES (3, LEC. 2, LAB. 1. Planning, executing and evaluating retail buying to maximize ROI. Course will not be given for both CAHS 5860 and CAHS 6600. Graduate level.

CAHS 7670 SOCIAL PSYCHOLOGICAL THEORIES IN CLOTHING BEHAVIOR (3, LEC. 3. Pr., CAHS 7500 Clothing as a factor in the physical, social, and psychological environment; response to and use of clothing in social behavior. Departmental approval.

CAHS 7690 CONSUMER THEORY IN APPAREL AND INTERIORS (3, LEC. 3, Pr., CAHS 7500 Overview of various areas of consumer research with an emphasis on their application in apparel, merchandising, design, and interior design.

CAHS 7690 DIRECTED STUDIES (1-3). SU. Departmental approval. Course may be repeated for a maximum of 6 credit hours.

CHEM 1011 SURVEY OF CHEMISTRY I LABORATORY (1). LAB. 3. Pr., PIC, CHEM 1010 Science Core. Laboratory experiments emphasizing course material in CHEM 1010.

CHEM 1020 SURVEY OF CHEMISTRY II (3). LEC. 3. Pr., CHEM 1010 Science Core. Survey of important topics from organic and biochemistry. Aldehydes and ketones, carbonylic acids, carbohydrates, lipids, proteins, enzymes, extracellular fluids, metabolism, nucleic acids, radioactivity.

CHEM 1021 SURVEY OF CHEMISTRY II LABORATORY (1). LAB. 3. Pr., PIC, CHEM 1020 and CHEM 1011 Science Core. Laboratory experiments emphasizing course material in CHEM 1020.

CHEM 1030 FUNDAMENTALS CHEMISTRY I (3). LEC. 3. Science Core. Atomic and molecular theory, chemical equations, stoichiometry, gas laws, thermochemistry, bonding, electronic structure, molecular geometries, solids, liquids, properties of solutions, problem-solving techniques. Credit will not be given for both CHEM 1030 and CHEM 1110 or CHEM 1117.

CHEM 1031 FUNDAMENTAL CHEMISTRY I LABORATORY (1). LAB. 3. Pr., PIC, CHEM 1030 Science Core. Laboratory experiments emphasizing course material in CHEM 1030. Credit will not be given for both CHEM 1031 and CHEM 1111 or CHEM 1118.

CHEM 1040 FUNDAMENTAL CHEMISTRY II (3). LEC. 3. Pr., CHEM 1030 or CHEM 1110 or CHEM 1117 Science Core. Chemical kinetics, chemical equilibrium; acids and bases; calculations of pH; equilibrium constants and thermodynamical properties; electrochemistry; descriptive chemistry. Credit will not be given for both CHEM 1040 and CHEM 1120 or CHEM 1127.

CHEM 1041 FUNDAMENTAL CHEMISTRY II LABORATORY (1). LAB. 3. Pr., CHEM 1031 or CHEM 1111 or CHEM 1118 Science Core. Laboratory experiments emphasizing course material in CHEM 1040. Credit will not be given for both CHEM 1041 and CHEM 1121 or CHEM 1128.

CHEM 1110 GENERAL CHEMISTRY I (3). LEC. 3. Pr., PIC, MATH 1610 or PIC, MATH 1617. Science Core. Chemical principles for chemistry and related majors. Atomic and molecular theory, periodicity, chemical reactions, Stoichiometry, gases, thermochemistry, bonding, molecular geometries, liquids, solids, and solutions. Credit will not be given for both CHEM 1110 and CHEM 1030 or CHEM 1117.

CHEM 1111 GENERAL CHEMISTRY LABORATORY I (1). LAB. 3. Pr., PIC, CHEM 1110 Science Core. Laboratory experiments emphasizing course material in CHEM 1110. Credit will not be given for both CHEM 1111 and CHEM 1031 or CHEM 1118.

CHEM 1117 HONORS GENERAL CHEMISTRY I (3). LEC. 3. Pr., Honors College. Science Core. General chemistry for students in the honors program. Topics similar to CHEM 1110, but covered in more depth. Credit will not be given for both CHEM 1117 and CHEM 1030 or CHEM 1110.

CHEM 1118 HONORS GENERAL CHEMISTRY I LABORATORY (1). LAB. 3. Science Core. Laboratory experiments emphasizing course material in CHEM 1117. Credit will not be given for both CHEM 1118 and CHEM 1031 or CHEM 1111.

CHEM 1120 GENERAL CHEMISTRY FOR SCIENTISTS AND ENGINEERS II (3). LEC. 3. Pr., CHEM 1110 or CHEM 1117 Science Core. Continuation of CHEM 1110. Chemical kinetics, chemical equilibrium, acids and bases, thermodynamics, electrochemistry, representative element and transition metal chemistry. Credit will not be given for both CHEM 1120 and CHEM 1040 or CHEM 1127.

CHEM 1121 GENERAL CHEMISTRY II LABORATORY (1). LAB. 3. Pr., PIC, CHEM 1120 and CHEM 1111 Science Core. Laboratory experiments emphasizing course material in CHEM 1120. Credit will not be given for both CHEM 1121 and CHEM 1041 or CHEM 1128.

CHEM 1127 HONORS GENERAL CHEMISTRY II (3). LEC. 3. Pr., Honors College. CHEM 1117 Science Core. General chemistry for students in the honors program. Topics similar to CHEM 1120, but covered in more depth. Credit will not be given for both CHEM 1127 and CHEM 1040 or CHEM 1120.

CHEM 1128 HONORS GENERAL CHEMISTRY II LABORATORY (1). LAB. 3. Pr., Honors College. CHEM 1118 and CHEM 1127 Science Core. Laboratory experiments emphasizing course material in CHEM 1127. Credit will not be given for both CHEM 1128 and CHEM 1041 or CHEM 1121.

CHEM 2030 SURVEY OF ORGANIC CHEMISTRY (3). LEC. 3. Pr., CHEM 1040 or CHEM 1120 or CHEM 1127 Structure, nomenclature and reactions of the functional group classes of organic compounds, polymers, and molecules of biological interest. Credit will not be given for both CHEM 2030 and CHEM 2070.

CHEM 2070 ORGANIC CHEMISTRY II (3). LEC. 3. Pr., CHEM 1040 or CHEM 1120 or CHEM 1127 In-depth study of organic chemistry including structure, nomenclature, reactions, reaction mechanisms, stereochemistry, synthesis and spectroscopic structure determination organized by the functional group approach. Consider alkanes, alkenes, alkyne, alkyll halides, alcohols, ethers, and aromatic compounds. Credit will not be given for both CHEM 2070 and CHEM 2030.

CHEM 2071 ORGANIC CHEMISTRY I LABORATORY (1). LAB. 3. Pr., PIC, CHEM 2070 or CHEM 1041 or CHEM 1126 or CHEM 1121 Laboratory for CHEM 2070.


CHEM 2081 ORGANIC CHEMISTRY II LABORATORY (1). LAB. 3. Pr., CHEM 2071 and PIC, CHEM 2080 Laboratory for CHEM 2080.

CHEM 3000 CHEMICAL LITERATURE I (1). LEC. 1. Pr., CHEM 2030 Chemical literature with emphasis on primary and secondary sources and the various computer data bases available.

CHEM 3050 ANALYTICAL CHEMISTRY (3). LEC. 3. Pr., CHEM 1040 or CHEM 1120 or CHEM 1127 Theory and application of volumetric, photometric and photocromatic analysis.

CHEM 3051 ANALYTICAL CHEMISTRY LABORATORY (1). LEC. 3. Pr., PIC, CHEM 3050 Analytical techniques applied to chemical analysis.

CHEM 3160 SURVEY OF PHYSICAL CHEMISTRY (3). LEC. 3. Pr., CHEM 1040 or (CHEM 1120 or CHEM 1127) The principles of physical chemistry.

CHEM 4070 PHYSICAL CHEMISTRY I (3). LEC. 3. Pr., CHEM 1040 or CHEM 1120 or CHEM 1127 and MATH 2630 and MATH 2650 and PHYS 1610 Principles of chemical thermodynamics, principles of application to problems of chemical interest.

CHEM 4071 PHYSICAL CHEMISTRY I LABORATORY (1). LAB. 3. Pr., PIC, CHEM 4070.

CHEM 4080 PHYSICAL CHEMISTRY II (3). LEC. 3. Pr., CHEM 1040 or (CHEM 1120 or CHEM 1127) and MATH 2630 and MATH 2650 and PHYS 1610 Principles of quantum mechanics and spectroscopy, application in molecular structure and in statistical thermodynamics.

CHEM 4081 PHYSICAL CHEMISTRY II LABORATORY (1). LAB. 3. Pr., PIC, CHEM 4080 Laboratory for CHEM 4080.