



Academic Notes

APRIL 30, 2001

AN 2000-2001

SPECIAL NOTICES

ACADEMIC NOTES PUBLICATION SCHEDULE FOR THE SUMMER 2001 SEMESTER

Below is the circulation schedule for the hard copy of *Academic Notes* through August 20, 2001. An asterisk (*) indicates a curricular issue. **All submissions for inclusion in *Academic Notes* are due in the Office of Academic Affairs no later than 10:00 a.m. on the Wednesday prior to the distribution of *Academic Notes* on the following Monday, along with a diskette with the same information in Microsoft Word format. Failure to submit a diskette containing this information will delay publication.** An electronic version of *Academic Notes* is available using Acrobat Reader via the ISU Web Page at – <http://web.indstate.edu/acadnotes/> –.

ACADEMIC NOTES PUBLICATION SCHEDULE

<u>Deadline for Items</u>	<u>Issue Date</u>
May 16*	May 21*
May 30	June 4
June 20*	June 25*
July 5	July 9
July 18*	July 23*
August 1	August 6
August 15*	August 20*

Please call Tiffany Trass at extension 3662 with any questions pertaining to the submission of information on a diskette.

THESES, DISSERTATIONS, & RESEARCH PROJECTS

COLLEGE OF ARTS & SCIENCES

HISTORY

Mr. Aaron Gongross will defend his thesis entitled, *Union Development and the Bituminous Miners' Strikes of 1894 and 1897*, from 2:00 until 4:00 p.m. on Thursday, May 3, 2001 in Stalker Hall, Room

205. The members of his committee are Dr. Richard Schneirov, Chairperson, Dr. Wilson Warren, and Dr. Christopher Olsen.

UNDERGRADUATE CURRICULUM PROPOSALS

NEW COURSES

COLLEGE OF ARTS & SCIENCES: Music

MUS 270(A-G; I-U) Elective Performance Study – .5-1 hour. Individual performance study for non-music majors and for music majors studying in a secondary area. A half hour to hour per week of class time. Repeatable for credit. Prerequisite: approval of instructor.

MUS 272(A-G; I-U) Individual Performance Study – 1 hour. Principal instrument. Individual performance study for students pursuing a B.A. or B.S. degree with a major or minor in music. An hour per week of class time. Repeatable for credit. Prerequisite: audition prior to first enrollment.

MUS 274(A-G; I-U) Individual Performance Study for Music Education Majors – 1 hour. Principal instrument. An hour per week of class time. Includes study and performance of a cross-section of music from the repertory of the performance medium, development of technical skills, and instruction in reading music at sight. Repeatable for credit. Prerequisite: audition prior to first enrollment.

MUS 470(A-G; I-U) Elective Performance Study – .5-1 hour. Individual performance study for non-music majors and music majors studying in a secondary area. A half hour to hour per week of class time. Repeatable for credit. Prerequisite: successful completion of 62 semester hours, and approval of instructor.

MUS 472(A-G; I-U) Individual Performance Study –1 hour. Principal instrument. Individual performance study for students pursuing a B.A. or B.S. degree with a major or minor in music. An hour per week of class time. Repeatable for credit. Prerequisite: audition or satisfactory completion of four semesters of 272 prior to first enrollment, and passage of a qualifying jury for 400-level Individual Performance Study as applicable.

MUS 474(A-G; I-U) Individual Performance Study for Music Education Majors – 1 hour. Principal instrument. An hour per week of class time. Includes study and performance of a cross-section of music from the repertory of the performance medium, development of technical skills, and instruction in reading music at sight.

Repeatable for credit. Prerequisite: audition or satisfactory completion of four semesters of 274 prior to first enrollment, and passage of a qualifying jury for 400-level Individual Performance Study as applicable.

COURSE REVISIONS

COLLEGE OF ARTS & SCIENCES: Music

MUS 150 Introduction to Musical Traditions I – 2 hours. Historical survey of musical style in Western art music from the Middle Ages to the present, with emphasis on critical listening and score reading. Includes introduction to basic research and writing skills pertaining to music. The ability to read music is essential. Three class hours a week. [GE89: C1, D1]

Change description to:

MUS 150 Introduction to Musical Traditions I – 2 hours. Historical survey of musical style in Western art music from the Middle Ages to the present, with emphasis on critical listening and score reading. Includes introduction to basic research and writing skills pertaining to music. The ability to read music is essential. Three class hours a week.

MUS 151 Introduction to Musical Traditions II – 2 hours. A survey of non-Western musical cultures and Western folk traditions. Emphasis is placed on critical listening, reading, basic research, and writing skills. The ability to read music is essential. Three class hours a week. Prerequisite: 150, or consent of instructor. [GE89: C1, E1]

Change description to:

MUS 151 Introduction to Musical Traditions II—2 hours. A survey of non-Western musical cultures and Western folk traditions. Emphasis is placed on critical listening, reading, basic research, and writing skills. The ability to read music is essential. Three class hours a week. Prerequisite: 150, or consent of instructor.

MUS 276(A-G;I-U) Individual Performance Study – 1-2 hours. Lower-division vocal or instrumental instruction for music major, minor, or elective students. Repeatable for up to 4 hours of credit. Prerequisite: audition prior to first enrollment.

Change title, credit hours, and description to:

MUS 276(A-G;I-U) Individual Performance Study for Music Performance Majors— 2 hours. An hour per week of class time. Includes study and performance of a cross-section of music from the repertory of the performance medium, development of technical skills, and instruction in reading music at sight. Additional performance requirements required. Repeatable for credit. Prerequisite: audition prior to first enrollment.

MUS 476(A-G;I-U) Individual Performance Study – 1-2 hours. Upper-division vocal or instrumental instruction for music major, minor, or elective students. Repeatable for credit. Prerequisite: audition or satisfactory completion of four semesters of 276 prior to first enrollment.

Change title, credit hours, and description to:

MUS 476(A-G;I-U) Individual Performance Study for Music Performance Majors– 2 hours. An hour per week of class time. Includes study and performance of a cross-section of music from the repertory of the performance medium, development of technical skills, and instruction in reading music at sight. Additional performance requirements required. Repeatable for credit. Prerequisite: audition prior to first enrollment.

GRADUATE CURRICULUM PROPOSALS

NEW COURSES

SCHOOL OF TECHNOLOGY: Industrial & Mechanical Technology

IMT 593 Industrial & Mechanical Technology Workshop – 1-3 hours. Content of each workshop will be related to one of the departments areas of emphasis in Technology.

UNDERGRADUATE APPROVALS

COURSE APPROVALS AND MODIFICATIONS FOR GE2000

The following courses have been approved for inclusion in the revised General Education program that began Fall 2000. The courses and the corresponding General Education designations began with offerings in the summer of 2000. GE89 refers to students enrolled before summer 2000. GE2000 is for students who will be enrolled in the modified program.

COLLEGE OF ARTS & SCIENCES: Geography, Geology, & Anthropology

ANTH 100 Introduction to Anthropology – 3 hours. A survey of major areas and contributions of anthropology, physical anthropology, linguistics, archaeology, and cultural anthropology. Biological and cultural evolution; the concepts and nature of culture. General Education Credits [*GE89: B3; GE2000: Social and Behavioral Studies – elective*]

COLLEGE OF ARTS & SCIENCES: Mathematics & Computer Science

MATH 102 Quantitative Literacy – 3 hours. Interpret formulas, graphs, and tables to draw inferences from them. Represent mathematical information symbolically, visually, numerically, and verbally. Use arithmetic, algebraic, geometric, statistical and financial computational methods to solve problems. Determine reasonableness of answers

and select optimal results. Recognize mathematical and statistical limits of methods.
Prerequisite: MATH 011 or equivalent. General Education Credits [GE2000: *Satisfies Basic Studies Quantitative Literacy requirement*]

COURSE REVISIONS

COLLEGE OF ARTS & SCIENCES: Geography, Geology, & Anthropology

GEOG 112 Cartography – 3 hours. Fundamentals of map design, map interpretation, and map analysis. Prerequisite: 111 or 160; or concurrent enrollment in 111 or 160.

Change prerequisites to:

GEOG 112 Cartography – 3 hours. Fundamentals of map design, map interpretation, and map analysis.

GEOG 211 Physical Geography – 3 hours. Processes and features of the physical geographic environment. Field work, laboratory experience, and reports are required. Prerequisites: Mathematics 111, 115, and consent of instructor.

Change prerequisites to:

GEOG 211 Physical Geography – 3 hours. Processes and features of the physical geographic environment. Field work, laboratory experience, and reports are required. Prerequisites: GEOG 111 or consent of instructor.

GEOG 242 Introduction to Geographic Information Systems – 3 hours. An overview of basic principles of geographic information systems and practical experience in employing these systems. Prerequisites: 112; and either 111, 115, or 110 or consent of instructor.

Change prerequisites to:

GEOG 242 Introduction to Geographic Information Systems – 3 hours. An overview of basic principles of geographic information systems and practical experience in employing these systems.

GEOG 330 World Geography – 3 hours. An interpretation of human activities in selected world regions.

Change number to:

GEOG 130 World Geography – 3 hours. An interpretation of human activities in selected world regions.

GEOG *405 Fundamentals of Remote Sensing – 3 hours. Nature and interpretation of aerial photos, radar, and satellite scanner images as related to Earth resources analysis. Photogrammetry, digital image interpretation, and GIS approaches are presented. Prerequisite: 111 or 115 or 160 or consent of instructor.

Change prerequisites to:

GEOG *405 Fundamentals of Remote Sensing - 3 hours. Nature and interpretation of aerial photos, radar, and satellite scanner images as related to Earth resources analysis. Photogrammetry, digital image interpretation, and GIS approaches are presented. Prerequisite: 100-level

course or higher in geography (GEOG) or geology (GEOL) or consent of instructor.

**Course has a graduate level equivalent*

GEOG *417 Industrial Geography - 3 hours. Industrial location factors, distribution of selected industries, and complex aerial patterns of manufacturing. Prerequisite: 313 or consent of instructor.

Change prerequisites to:

GEOG *417 Industrial Geography - 3 hours. Industrial location factors, distribution of selected industries, and complex aerial patterns of manufacturing. Prerequisite: 100-level course or higher in geography (GEOG) or consent of instructor.

**Course has a graduate level equivalent*

GEOG *440 Advanced Quantitative Geography - 3 hours. The application of statistical techniques within geographical contexts, including descriptive, inferential, and multivariate methodologies. Emphasis is on problem solving in the geosciences. Prerequisite: Mathematics 241.

Change prerequisites to :

GEOG *440 Advanced Quantitative Geography - 3 hours. The application of statistical techniques within geographical contexts, including descriptive, inferential, and multivariate methodologies. Emphasis is on problem solving in the geosciences. Prerequisite: GEOG 240 or equivalent or consent of instructor.

**Course has a graduate level equivalent*

GEOG *442 Geographic Information Systems: Applications - 3 hours. Application of basic principles of geometric information systems by providing practice in employing this technology to a simulated problem. Prerequisite: 242 or consent of instructor.

Change prerequisites to:

GEOG *442 Geographic Information Systems: Applications - 3 hours. Application of basic principles of geometric information systems by providing practice in employing this technology to a simulated problem. Prerequisite: 100 level course or higher in geography (GEOG) or geology (GEOL) or consent of instructor.

**Course has a graduate level equivalent*

GEOG *444 The Processing of Spatial Data for Geoscientists - 3 hours. The application of a computer language to the processing of geographic (spatial) data. Prerequisite: 12 semester hours of geography or geology, or consent of instructor.

Change prerequisites to:

GEOG *444 The Processing of Spatial Data for Geoscientists - 3 hours. The application of a computer language to the processing of geographic (spatial) data. Prerequisite: 100 level course or higher in geography (GEOG) or geology (GEOL) or consent of instructor.

**Course has a graduate level equivalent*

COLLEGE OF ARTS & SCIENCES: Music

MUS 111 Music Theory I – 1 hour. Study of the elements of music theory, covering pitch, rhythm, scales, intervals, basic harmony, melody, voice leading, and diatonic triads in functional harmony. Two class hours a week. Prerequisites: satisfactory score on the Undergraduate Placement Examination in Music Theory or a grade of C or better in 101, and concurrent enrollment in 113. A student may repeat the course no more than one time; a student who wishes an exception must petition the theory staff.

Change description to:

MUS 111 Music Theory I – 1 hour. Study of the elements of music theory, covering pitch, rhythm, scales, intervals, basic harmony, melody, voice leading, and diatonic triads in functional harmony. Two class hours a week. Prerequisites: satisfactory score on the Undergraduate Placement Examination in Music Theory or a grade of C or better in 101, and concurrent enrollment in 113.

MUS 112 Music Theory II – 1 hour. Continuation of 111, extending through a study of diatonic seventh chords, secondary dominant and leading tone chords, modulation, binary and ternary forms, and variation techniques. Two class hours a week. Prerequisites: grade of C or better in 111; concurrent enrollment in 114 or consent of instructor. A student may repeat the course no more than one time; a student who wishes an exception must petition the theory staff.

Change description to:

MUS 112 Music Theory II – 1 hour. Continuation of 111, extending through a study of diatonic seventh chords, secondary dominant and leading tone chords, modulation, binary and ternary forms, and variation techniques. Two class hours a week. Prerequisites: grade of C or better in 111; concurrent enrollment in 114 or consent of instructor.

MUS 113 Music Skills I – 2 hours. Companion course to 111, with skills applied through sight singing, ear training, and keyboard activities. Three class hours a week. Prerequisites: satisfactory score on the Undergraduate Placement Examination in Music Theory or a grade of C or better in 101; concurrent enrollment in 111. A student may repeat the course no more than one time; a student who wishes an exception must petition the theory staff.

Change description to:

MUS 113 Music Skills I – 2 hours. Companion course to 111, with skills applied through sight singing, ear training, and keyboard activities. Three class hours a week. Prerequisites: satisfactory score on the Undergraduate Placement Examination in Music Theory or a grade of C or better in 101; concurrent enrollment in 111.

MUS 114 Music Skills II – 2 hours. Continuation of 113; companion course to 112, with skills applied through sight singing, ear training, and keyboard activities. Three class hours a week. Prerequisites: grade of C or better in 113; concurrent enrollment in 112 or consent of instructor. A student may repeat the course no more than one time; a student who wishes an exception must petition the theory staff.

Change description to:

MUS 114 Music Skills II – 2 hours. Continuation of 113; companion course to 112, with skills applied through sight singing, ear training, and keyboard activities. Three class hours a

week. Prerequisites: grade of C or better in 113; concurrent enrollment in 112 or consent of instructor.

MUS 211 Music Theory III – 1 hour. Continuation of 111 and 112, extending through a study of contrapuntal techniques in the invention and fugue, nineteenth-century harmonic materials, and rondo and sonata forms. Two class hours a week. Prerequisites: grade of C or better in 112 and 114; concurrent enrollment in 213. A student may repeat the course no more than one time; a student who wishes an exception must petition the theory staff.

Change description to:

MUS 211 Music Theory III – 1 hour. Continuation of 111 and 112, extending through a study of contrapuntal techniques in the invention and fugue, nineteenth-century harmonic materials, and rondo and sonata forms. Two class hours a week. Prerequisites: grade of C or better in 112 and 114; concurrent enrollment in 213.

MUS 212 Music Theory IV – 2 hours. Continuation of 111, 112, and 211, extending through a study of twentieth-century harmonic material in tonal music, set and serial procedures, and recent musical developments. Two class hours a week. Prerequisites: grade of C or better in 211; concurrent enrollment in 214 or consent of instructor. A student may repeat the course no more than one time; a student who wishes an exception must petition the theory staff.

Change description to:

MUS 212 Music Theory IV – 2 hours. Continuation of 111, 112, and 211, extending through a study of twentieth-century harmonic material in tonal music, set and serial procedures, and recent musical developments. Two class hours a week. Prerequisites: grade of C or better in 211; concurrent enrollment in 214 or consent of instructor.

MUS 213 Music Skills III – 2 hours. Continuation of 113 and 114; companion course to 211, with skills applied through sight singing, ear training, and keyboard activities. Three class hours a week. Prerequisites: grade of C or better in 112 and 114; concurrent enrollment in 211. A student may repeat the course no more than one time; a student who wishes an exception must petition the theory staff.

Change description to:

MUS 213 Music Skills III – 2 hours. Continuation of 113 and 114; companion course to 211, with skills applied through sight singing, ear training, and keyboard activities. Three class hours a week. Prerequisites: grade of C or better in 112 and 114; concurrent enrollment in 211.

MUS 214 Music Skills IV – 2 hours. Continuation of 113, 114, and 213; companion course to 212, with skills applied through sight singing, ear training, and keyboard activities. Three class hours a week. Prerequisites: grade of C or better in 213; concurrent enrollment in 212 or consent of instructor. A student may repeat the course no more than one time; a student who wishes an exception must petition the theory staff.

Change description to:

MUS 214 Music Skills IV – 2 hours. Continuation of 113, 114, and 213; companion course to

212, with skills applied through sight singing, ear training, and keyboard activities. Three class hours a week. Prerequisites: grade of C or better in 213; concurrent enrollment in 212 or consent of instructor.

SCHOOL OF BUSINESS: Business Core

BUS 320 Marketing/Information Systems – 6 hours. This course is a survey of the entire field of marketing and of a systems approach to business. Emphasis is on the areas of products, pricing, distribution, promotion, systems analysis, and functional information systems. The course includes an integrative project. Prerequisite: Completion of the prebusiness requirements.

Change prerequisites to:

BUS 320 Marketing/Information Systems – 6 hours. This course is a survey of the entire field of marketing and of a systems approach to business. Emphasis is on the areas of products, pricing, distribution, promotion, systems analysis, and functional information systems. The course includes an integrative project. Prerequisites: Completion of the prebusiness requirements. BUS 305, Business Statistics II, is a co-requisite of BUS 320 (BUS 305 must be taken prior to or concurrently with BUS 320).

BUS 330 Management/Operation – 6 hours. This course consists of two primary tracks: operating systems and behavioral systems. Students will be instructed in parallel sections that are integrated via a set of experiential activities such as guest speakers, panel discussions, plant tours, common reading lists, and a comprehensive case analysis/project. Prerequisite: Completion of the prebusiness requirements.

Change prerequisites to:

BUS 330 Management/Operations – 6 hours. This course consists of two primary tracks: operating systems and behavioral systems. Students will be instructed in parallel sections that are integrated via a set of experiential activities such as guest speakers, panel discussions, plant tours, common reading lists, and a comprehensive case analysis/project. Prerequisites: Completion of the prebusiness requirements. BUS 305, Business Statistics II, is a co-requisite of BUS 330 (BUS 305 must be taken prior to or concurrently with BUS 330).

BUS 401 Senior Business Experience – 3 hours. The senior business experience combines theory and practice to aid students in synthesizing their functional and foundational areas of learning to manage firms to competitive advantage. The course includes components of cross-functional integration from areas such as entrepreneurship, the learning organization, quality management, and strategic management to provide a framework for diagnosing and resolving organization issues. Prerequisites: 310, 320, 330.

Change prerequisites to:

BUS 401 Senior Business Experience – 3 hours. The senior business experience combines theory and practice to aid students in synthesizing their functional and foundational areas of learning to manage firms to competitive advantage. The course includes components of cross-functional integration from areas such as entrepreneurship, the learning organization,

quality management, and strategic management to provide a framework for diagnosing and resolving organization issues. Prerequisites: 263, 311, 320, 330.

SCHOOL OF BUSINESS: Analytical – Business Law

BLAW 263 The Law and Business – 3 hours. The study of state and federal legal systems and their jurisdictions from the viewpoint of businessmen and the consumers with which they deal. Manufacturers' liability and the protection of the consumer are explored, as is the impact of administrative agencies on both business and the consumer.

Change prefix, title, description, and prerequisites to:

BUS 263 Legal Environment of Business – 3 hours. An introduction to topics of interest to business persons, including product liability and consumer protection, workers rights and protection, organization and regulation of business entities, and the judicial system. Prerequisite: Sophomore standing.

BLAW *464 Business Administration and the Law – 3 hours. The substantive law of business relationships in partnerships, corporations, and agencies is studied, together with the legal rights and liabilities of owning real or personal property. Wills, estates, and trusts; bankruptcy, sales, and negotiable instruments are examined. Prerequisite: Business 310 or consent of Department Chairperson.

Change prerequisites to:

BLAW *464 Business Administration and the Law – 3 hours. The substantive law of business relationships in partnerships, corporations, and agencies is studied, together with the legal rights and liabilities of owning real or personal property. Wills, estates, and trusts; bankruptcy, sales, and negotiable instruments are examined. Prerequisites: Business 263 or consent of Department Chairperson.

**Open to Graduate Students. Graduate students are required to do additional work of a research nature.*

SCHOOL OF BUSINESS: Analytical – Finance

FIN 300 Business Finance – 3 hours. The methods utilized by corporations in securing and utilizing capital, capital structure, and characteristics of alternative forms of capital. Prerequisite: junior standing in business.

Change prefix, number, and prerequisites to:

BUS 311 Business Finance – 3 hours. The methods utilized by corporations in securing and utilizing capital, capital structure, and characteristics of alternative forms of capital. Prerequisite: Completion of the prebusiness requirements. BUS 305, Business Statistics II, is a co-requisite of BUS 311 (BUS 305 must be taken prior to or concurrently with BUS 311).

FIN 333 Principles of Investment – 3 hours. The essential qualities of good investments, the exchanges, and methods of trading stocks and bonds. Prerequisite: Business 310.

Change prerequisites to:

FIN 333 Principles of Investment – 3 hours. The essential qualities of good investments, the

exchanges, and methods of trading stocks and bonds. Prerequisite: Business 311.

FIN 346 Real Estate Finance – 3 hours. Legal environment of the financing of real estate, availability and sources of mortgage funds, affordability and decisions to borrow on owner-occupied residences, and analysis for financing income producing properties. Prerequisites: 345 and Business 310.

Change prerequisites to:

FIN 346 Real Estate Finance – 3 hours. Legal environment of the financing of real estate, availability and sources of mortgage funds, affordability and decisions to borrow on owner-occupied residences, and analysis for financing income producing properties. Prerequisites: 345 and Business 311.

FIN 348 Real Estate Valuation – 3 hours. In depth coverage of the traditional approaches to real estate appraisal, emphasizing the discounted cash flow techniques for income properties. Discusses techniques for analyzing the real estate market and forecasting cash flows. Prerequisites: 345 and Business 310.

Change prerequisites to:

FIN 348 Real Estate Valuation – 3 hours. In depth coverage of the traditional approaches to real estate appraisal, emphasizing the discounted cash flow techniques for income properties. Discusses techniques for analyzing the real estate market and forecasting cash flows. Prerequisites: 345 and Business 311.

FIN 370 Financial Management – 3 hours. A comprehensive terminal course that gives consideration to developing sound financial policies in the firm. The course will use cases to develop concepts in such areas as capital budgeting and capital structure. Prerequisite: Business 310.

Change prerequisites to:

FIN 370 Financial Management – 3 hours. A comprehensive terminal course that gives consideration to developing sound financial policies in the firm. The course will use cases to develop concepts in such areas as capital budgeting and capital structure. Prerequisite: Business 311.

FIN 400 International Financial Management – 3 hours. This course deals with theoretical and practical issues of corporate financial management in an international environment. Emphasis is placed on decision making by multinational firms in capital budgeting, working capital management, and the procurement of funds in international markets. Prerequisite: Business 310.

Change prerequisites to:

FIN 400 International Financial Management – 3 hours. This course deals with theoretical and practical issues of corporate financial management in an international environment. Emphasis is placed on decision making by multinational firms in capital budgeting, working capital management, and the procurement of funds in international markets. Prerequisite: Business 311.

FIN 440 Financial Institutions – 3 hours. The institutional structure of the financial system. Surveys both the public and private sectors of our money and credit economy. Emphasis placed on understanding the impact of the commercial banking system, financial intermediaries, and public finance needs upon the conduct of business finance. Prerequisites: Business 310 and Economics 321.

Change prerequisites to:

FIN 440 Financial Institutions – 3 hours. The institutional structure of the financial system. Surveys both the public and private sectors of our money and credit economy. Emphasis placed on understanding the impact of the commercial banking system, financial intermediaries, and public finance needs upon the conduct of business finance. Prerequisites: Business 311 and Economics 321.

FIN 441 Commercial Bank Management – 3 hours. The procedures used for appraisal of credit risks and selection of investments are investigated. Attention given to the influence of the regulatory environment and the problem of shifts in deposit liabilities. Prerequisites: Business 310, 440, and Economics 321 or consent of Department Chairperson.

Change prerequisites to:

FIN 441 Commercial Bank Management – 3 hours. The procedures used for appraisal of credit risks and selection of investments are investigated. Attention given to the influence of the regulatory environment and the problem of shifts in deposit liabilities. Prerequisites: Business 311, 440, and Economics 321 or consent of Department Chairperson.

FIN 470 Short Term Financial Management – 3 hours. The activities and principles of short-term financial management are developed and analyzed. The treasury function and its relationship to cash management, credit management, and money market investments is studied. Practices in the field of working capital management are also described and evaluated. Prerequisite: Business 310.

Change prerequisites to:

FIN *470 Short Term Financial Management – 3 hours. The activities and principles of short-term financial management are developed and analyzed. The treasury function and its relationship to cash management, credit management, and money market investments is studied. Practices in the field of working capital management are also described and evaluated. Prerequisite: Business 311.

**Open to Graduate Students. Graduate students are required to do additional work of a research nature.*

SCHOOL OF BUSINESS: Organizational - Management

MGT 343 Leadership and Organizational Change– 3 hours. A study of behavioral processes of individuals and groups in work settings; practice in applying administrative and leadership skills to influence those processes. Prerequisite: 300 or Business 330.

Change prerequisites to:

MGT 343 Leadership and Organizational Change– 3 hours. A study of behavioral processes of individuals and groups in work settings; practice in applying administrative and leadership skills to influence those processes. Prerequisite: 301 or 300 or Business 330.

MGT 356 Organizational Design and Technology – 3 hours. A study of the structure and design processes and technology of organizations with a view toward organizational improvement. Students develop tools to design the organization to function effectively. Prerequisite: 300 or Business 330.

Change prerequisites to:

MGT 356 Organizational Design and Technology – 3 hours. A study of the structure and design processes and technology of organizations with a view toward organizational improvement. Students develop tools to design the organization to function effectively. Prerequisite: 301 or 300 or Business 330.

MGT 370 Business and Society – 3 hours. The course deals with business ethics, corporate social responsibility, and stakeholder management issues inherent in complex decisions involving the three major sectors of society: business, public, and government. Prerequisite: 300 or Business 330, or consent of Department Chairperson.

Change prerequisites to:

MGT 370 Business and Society – 3 hours. The course deals with business ethics, corporate social responsibility, and stakeholder management issues inherent in complex decisions involving the three major sectors of society: business, public, and government. Prerequisite: 301 or 300 or Business 330, or consent of Department Chairperson.

MGT *440 Human Resource Management – 3 hours. Provides a survey of the human resource management function in organizations (including staffing, development, compensation, and labor relations), and the role of the human resource management function in the organization's overall management process. Prerequisites: Business 310, 320 and 330.

Change prerequisites to:

MGT *440 Human Resource Management – 3 hours. Provides a survey of the human resource management function in organizations (including staffing, development, compensation, and labor relations), and the role of the human resource management function in the organization's overall management process. Prerequisites: 301 or 300 or Business 330.

**Open to Graduate Students. Graduate students are required to do additional work of a research nature.*

MGT 444 Small Business/Entrepreneurship – 3 hours. The role of the small business enterprise on the national economic scene, the method of establishing such a venture, the operation of the going small business, and problems confronting the entrepreneur in the small enterprise. Prerequisites: Business 310, 320, and 330.

Change prerequisites to:

MGT 444 Small Business/Entrepreneurship – 3 hours. The role of the small business enterprise on the national economic scene, the method of establishing such a venture, the operation of the going small business, and problems confronting the entrepreneur in the small enterprise. Prerequisites: Business 311, 320, and 330.

MGT 456 Contemporary Management Practices – 3 hours. This course deals with innovative management techniques which contribute to an organization's effectiveness. Focus is on

contemporary books, periodicals, and reports useful for the practice of management.
Prerequisites: 300 or Business 330, and one other upper level management course.

Change prerequisites to:

MGT 456 Contemporary Management Practices – 3 hours. This course deals with innovative management techniques which contribute to an organization's effectiveness. Focus is on contemporary books, periodicals, and reports useful for the practice of management.
Prerequisites: 301 or 300 or Business 330, and one other upper level management course.

MGT 475 Seminar in Management – 3 hours. An in-depth study of selected current problems facing managers, such as innovation and technology, management of diversity, organizational redesign, ethics, and public policy. The students are encouraged to develop attitudes and frameworks for dealing with future problems in a creative non-superficial way.
Prerequisite: senior standing in management or consent of Department Chairperson.

Change prerequisites to:

MGT 475 Seminar in Management – 3 hours. An in-depth study of selected current problems facing managers, such as innovation and technology, management of diversity, organizational redesign, ethics, and public policy. The students are encouraged to develop attitudes and frameworks for dealing with future problems in a creative non-superficial way.
Prerequisite: senior standing.

SCHOOL OF BUSINESS: Organizational – Management Information Systems

MIS 400 Decision Support Systems – 3 hours. An analysis of the nature of decision making and support systems which serve decision-makers. A study of how decision support systems aid businesses in more effective short-to long-range planning, better organization of a company's resources, and improved motivation and communication with personnel. Prototyping development using SQL and DBMS, e.g., Oracle, are emphasized.
Prerequisites: Management Information Systems 376, Business 310, 320, 330.

Change prerequisites to:

MIS 400 Decision Support Systems – 3 hours. An analysis of the nature of decision making and support systems which serve decision-makers. A study of how decision support systems aid businesses in more effective short-to long-range planning, better organization of a company's resources, and improved motivation and communication with personnel. Prototyping development using SQL and DBMS, e.g., Oracle, are emphasized.
Prerequisites: Management Information Systems 376, Business 311, 320, 330.

UNDERGRADUATE PROGRAM REVISIONS

COLLEGE OF ARTS & SCIENCES: Life Sciences

Bachelor of Arts/Bachelor of Science Life Sciences Major and Minor

Executive Summary:

LIFS 380L (Genetics Lab; 1hr) will now be required for both the LIFS Major and Minor. The LIFS Elective requirement will be reduced from 17 to 16 hours (This will leave the total LIFS course requirement of 40 semester hours unchanged.)

Rationale:

Both the LIFS Major and Minor currently require a “core” of LIFS courses: LIFS 101 (Introductory Biology I) & Lab, LIFS 102 (Introductory Biology II) & Lab, LIFS 374 (Microbial and Cellular Biology) & Lab, LIFS 350 (Ecology) & Lab, LIFS 330 (Physiology) & Lab, and LIFS 380 (Genetics). The latter has been the only required “core” course for which the companion lab was not also specifically required. Furthermore, the current catalog already states that the required LIFS 380 lecture course requires concurrent enrollment in LIFS 380L, so the proposed change would be consistent with and would serve to formalize this implied requirement. It is therefore the LIFS Department’s wish to finally correct this long standing oversight, especially in view of society’s expanding interest in the ethical and technical issues surrounding the current explosion of knowledge in genetics and genomics.

CURRENT CATALOG COPY

Life Sciences Major (40 semester hours)

Required Life Sciences: 101--3 hrs.; 101L--1 hr.; 102--3 hrs.; 102L--1 hr.; 330--3 hrs.; 330L--1 hr.; 350--3 hrs.; 350L--1 hr.; 374--3 hrs.; 374L--1 hr.; 380--3 hrs.

Electives: To complete the 40 hours required for the major, a minimum of 17 hours beyond the core curriculum must be selected from the following: 342, 371/371L, 380L, 401/401L, 403, 404, 405, 406/406L, 408/408L, 410, 412, 421, 423/423L, 424/424L, 425/425L, 426/426L, 427/427L, 428/428L, 431, 432/432L, 434, 437/437L, 445, 447, 450, 451, 454, 458/458L, 461/461L, 475, 476, 480, 482/482L, 485, 490, 491, and 492; Chemistry 431/431L, 432.

Cell and Molecular Biology Emphasis: Cell Biology or Cellular Development and Cell and Tissue Culture, and Immunology, plus additional electives from the following: LIFS 380L, 404, 482/482L; Chemistry 431, 431L, 432.

Molecular Biology and Biotechnology Emphasis: Recombinant DNA, Cell and Tissue Culture, Immunology, and additional electives from the following: LIFS 371/371L, 380L, 401/401L, 404, 405, 406/406L, 437/437L, 476, 482/482L; Chemistry 431, 431L, 432.

Life Sciences Minor (24 semester hours)

Required Life Sciences: 101--3 hrs.; 101L--1 hr.; 102--3 hrs.; 102L--1 hr.; 330--3 hrs.; 330L--1 hr.; 350--3 hrs.; 350L--1 hr.; 374--3 hrs.; 374L--1 hr.; 380--3 hrs.

Elective: 1 hour.

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Life Sciences Major (40 semester hours)

Required Life Sciences: 101--3 hrs.; 101L--1 hr.; 102--3 hrs.; 102L--1 hr.; 330--3 hrs.; 330L--1 hr.; 350--3 hrs.; 350L--1 hr.; 374--3 hrs.; 374L--1 hr.; 380--3 hrs.; 380L--1hr.

Electives: To complete the 40 hours required for the major, a minimum of 16 hours beyond the core curriculum must be selected from the following: 342, 371/371L, 401/401L, 403, 404, 405, 406/ 406L, 408/408L, 410, 412, 421, 423/423L, 424/424L, 425/425L, 426/426L, 427/427L, 428/428L, 431, 432/432L, 434, 437/437L, 445, 447, 450, 451, 454, 458/458L, 461/461L, 475, 476, 480, 482/482L, 485, 490, 491, and 492; Chemistry 431/431L, 432.

Cell and Molecular Biology Emphasis: Cell Biology or Cellular Development and Cell and Tissue Culture, and Immunology, plus additional electives from the following: LIFS 404, 482/482L; Chemistry 431, 431L, 432.

Molecular Biology and Biotechnology Emphasis: Recombinant DNA, Cell and Tissue Culture, Immunology, and additional electives from the following: LIFS 371/371L, 401/401L, 404, 405, 406/406L, 437/437L, 476, 482/482L; Chemistry 431, 431L, 432.

Life Sciences Minor (24 semester hours)

Required Life Sciences: 101--3 hrs.; 101L--1 hr.; 102--3 hrs.; 102L--1 hr.; 330--3 hrs.; 330L--1 hr.; 350--3 hrs.; 350L--1 hr.; 374--3 hrs.; 374L--1 hr.; 380--3 hrs.; 380L--1hr.

COLLEGE OF ARTS & SCIENCES: Philosophy

Bachelor of Arts

Philosophy Major

Approved by CAAC April, 2001 6-0-0

Executive Summary:

The Philosophy Department would like to allow majors greater flexibility to select the courses that are appropriate to their individual interests. This goal can be most easily accomplished through decreasing the required courses and increasing electives, while retaining the 30 credit hour requirement. Another way to achieve the goal is to allow students, in exceptional cases, to take one philosophically relevant course outside the department.

Rationale:

In order to allow philosophy majors greater flexibility, the department will allow a major to take 3 credit hours outside the department, subject to the approval of the advisor and in agreement with the Department Chairperson. Not only must the course be philosophically relevant, but the student must supply a good reason for the substitution.

In order to allow philosophy majors greater flexibility, the number of required courses will be reduced from 15 credit hours to 12. The student will then select 18 hours of electives, provided that no more than 6 hours of 100-level or 200-level courses are used for the total 30 hours required for the major. Philosophy 336, Modern Philosophy II, will no longer be a required course.

Moreover, the student may substitute Philosophy 401, Ethical Theory, for Philosophy 333, Medieval Philosophy. In this case, the student will fulfill the required history sequence by taking Phil 330, Ancient Philosophy, and Phil 335, Modern Philosophy I.

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Philosophy Major (30 semester hours)

Required Philosophy: 105 or 405--3 hrs.; 330—3 hrs.; 333—3 hrs.; 335—3 hrs.; 336—3 hrs.

Elective Philosophy: 15 hours of electives, provided that no more than 6 hours of 200-level courses are used for the total 30 hours required for the major.

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Philosophy Major (30 semester hours)

Required Philosophy: 105 or 405—3 hours; 330—3 hours; 333 or 401—3 hours; 335—3 hours.

Elective Philosophy: 18 hours of electives, provided that no more than 6 hours of 100-level or 200-level courses are used for the total 30 hours required for the major.

PROGRAM COMPARISON

Old Program

Required courses:

PHIL 105 or 405

PHIL 330

PHIL 333

PHIL 335

PHIL 336

15 hours of electives

New Program

Required courses:

PHIL 105 or 405

PHIL 330

PHIL 333 or 401

PHIL 335

18 hours of electives; 3 hours may come from outside the Department with the approval of the advisor and the chair

SCHOOL OF HEALTH & HUMAN PERFORMANCE: Health & Safety

Health & Safety Minor (Teaching Curricula)

Executive Summary:

The Department of Health & Safety is proposing the following changes to its Health Education Minor. The goal is to reduce the number of credit hours needed to complete the degree, and to meet the needs of the new guidelines for licensure teachers. With the elimination of the minor in the new licensure guidelines, it is imperative to eliminate classes that contain repeat information, and to combine classes where multiple goals are met. This is important so that students can complete a double major in a reasonable number of years at the university.

Rationale:

Completion of this program gives the student teacher certification in Health Education. The curriculum needs to change in order to better prepare our students for the classrooms they will be required to lead, and in order to allow the students to maintain two majors, allowing them to be more marketable once they have completed their degree.

The new teaching standards for Health Educators indicate that the students need to show proficiency in specific areas, and meet specific criteria. For example, the new standards require students be able to use formal and informal assessment strategies to evaluate and ensure the continuous intellectual, social, and physical development of the learner; therefore, the biostatistics course is being added to the curriculum.

The new guidelines do not indicate that these standards and objectives have to be met through our program. The new curriculum allows the students to use their life and work experience to show competency in their ability and preparation as a Health Education Teacher; therefore, the change to the description of the Emergency Medical Care and Advanced First Aid course and Lab will be modified to reflect that students may receive their certification from a source outside the university.

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TEACHING CURRICULA

Health & Safety Minor (27 semester hours)

This minor may be added to the All Grade or Senior High – Junior High / Middle School Instructional License; its coverage is grades 7-12.

Health – Safety courses: 111--3 hrs.; 211--2 hrs.; 211L--1 hr.; 221--3hrs.; 313--3hrs.; 320--3 hrs.; 323--3 hrs.; 327--3 hrs.; 400A--3 hrs.; 400B--3 hrs.

Foundation courses: Life Sciences 231, 231L, 241, 241L, or Athletic Training 210 and Physical Education 220 are required prerequisites on this program.

PROPOSED CATALOG COPY

TEACHING CURRICULA

School Health Minor (21 semester hours)

This minor may be added to the Senior High – Junior High / Middle School Instructional License; its coverage is grades 5-12.

Health – Safety courses: 111--3 hrs.; 211--2 hrs.(or equivalent); 211L--1 hr.(or equivalent); 221--3hrs.; 313--3hrs.; 323--3 hrs.; 401--1 hr.; 402--1 hr.; 403--1 hr.; 404--1 hr.; 405--1 hr.; 406--1 hr.

Foundation courses: Life Sciences 231, 231L, 241, and 241L, or Athletic Training 210 and Physical Education 220 are required prerequisites for 400 level courses.

SCHOOL OF NURSING: Associate Degree Nursing Program

Associate of Science with a Major in Nursing

Approved by CAAC 3/22/01 5-0-0

Approved by Executive Committee 4/17/01 7-0-0

Approved by Faculty Senate 4/19/01 35-0-0

Executive Summary:

Over the past several years, data from student outcomes testing indicates that the Associate Degree Nursing curriculum needs adjustment to accommodate changes within the nursing profession. In essence, many of the items on the National Council Licensure Examination (NCLEX) for RN licensure address curriculum issues that are not included in the current Associate Degree program. Data from student exit surveys also indicate that changes are needed to meet student expectations for increased clinical hours and addition of content, such as pharmacology. A review of programs around the country documents that many Universities are adding courses to their current Associate Degree programs to accommodate the increased NCLEX requirements. Therefore, the School of Nursing Faculty agree that the Associate Degree Nursing Program must be modified in order to update the nursing curriculum, and to accommodate changes in the General Education Program, effective Fall 2001.

The following is a presentation of the School's proposed revision of the Associate Degree Nursing Program. The addition of a pre-nursing semester in the planned program allows students to take required non-nursing courses before becoming involved with clinical course scheduling issues, and will provide the School of Nursing with better prepared students once they reach the first clinical course. These changes are necessary to provide a sound basis for a liberal studies education within the nursing major and to provide the necessary content for nursing graduates to become safe, effective general practice nurses and to become licensed through the NCLEX-RN licensure exam. The proposed revision has 67-79 total credit hours with 39 credit hours in the nursing major and 28-40 credit hours outside the major. The proposed non-nursing credit hours have been revised from the previous of 31-34 credit hours, with the minimum number of credit hours decreasing by three (deletion of Sociology 120), the addition of nine hours, and the maximum number

increasing by six.

The Liberal Studies requirement in the Social and Behavioral category is met with Psychology 101 and Educational Psychology 221 or Psychology 266 or Family and Consumer Sciences 103. Students entering the University in Fall 2001 must demonstrate quantitative competence. This requirement will be satisfied by: 1) completing a course designed to meet the Quantitative Literacy objectives, 2) testing out, or 3) meeting program-based substitutions for the Quantitative Literacy course. Students are expected to complete this requirement within the first 62 hours of enrollment. Students entering the University in Fall 2001 must also demonstrate competence in Information Technology. This requirement will be satisfied by: 1) completing a three credit hour course designed to provide all students with basic information management knowledge and skills, 2) testing out, 3) meeting program-based substitutions for the Information Technology Literacy course, or 4) completing instructional modules or specially designed workshops/seminars to satisfy the Information Technology Literacy requirement. Graduates of the revised program can apply for admission to the School's Baccalaureate Nursing Track for Registered Nurses when they have attained licensure as a registered nurse.

Rationale:

In response to multiple changes in both the educational and health care arenas, the faculty in the Associate Degree Nursing Department undertook a comprehensive study of our Associate Degree Nursing Curriculum. Proposed revisions in the curriculum will enhance the students' development of nursing knowledge and skills in response to the increasing complexity of nursing practice. In addition, nursing course revisions were necessary to meet advances in technology, changes in the health care delivery system, and changes in the NCLEX-RN licensure exam. Health care delivery has changed from hospital-based care to more cost-effective care delivery models. Associate Degree Nursing students need learning experiences in settings other than traditional hospital settings that include, but are not limited to, ambulatory surgery centers, home health care, and clinics. The proposed curriculum revision also incorporates the changes in the University General Education Program, effective Summer 2000 and Summer 2001.

The addition of a semester of primarily general education is a national trend found in many successful Associate Degree programs. This allows students the opportunity to become familiar with the college setting, complete several of the basic studies courses, and complete a role socialization course before enrolling in the basic clinical nursing courses.

A review of national trends in Associate Degree Nursing education indicates that programs have been increasing nursing credit hours as well as increasing time for clinical learning experiences. On average, the number of nursing credit hours nationally for Associate Degree Nursing programs is 43.8, with a total average of 71.9 program credit hours. When compared with Indiana State University School of Nursing, other Associate Degree Nursing programs with more credit hours in the major had higher pass rates on the licensure examination. Credit hours in the nursing major for the current Indiana State University Nursing Associate Degree curriculum are significantly below the national average, with only 31 hours in the nursing major and a total of 65-68 hours overall. Our accrediting agency suggests that nursing curriculums obtain approximately 40% of the hours from general education, with the remaining 60% from the nursing major. In our old curriculum only 47% of the hours are taken within the nursing major, while 53% of the hours come from courses outside the major. The hours in our proposed new program will be more in line with these recommendations, with 39 hours in nursing, and a minimum of 28 hours outside of the major, giving us a ratio of 58 % nursing hours to 42% non-nursing hours. Increasing the number of hours in the major will also

help meet students requests for increased clinical time, increase the time students have to learn and apply what they have learned, and will allow students the opportunity to practice in a variety of health care settings before graduation.

Accreditation:

The modified associate degree program meets the standards of the Indiana State Board of Nursing and the National League for Nursing Accrediting Commission in terms of total credit hours, hours in the major, content included in the major, placement of major courses, support courses including liberal education courses, and the ratio of credit hours to contact hours.

Summary of Changes:

The School of Nursing Faculty is proposing a modification in the curriculum design of the Associate Degree Nursing Program. The change involves addition of 8 credits in the nursing major (from 31 hours to 39 hours), variation in the current sequencing plan, changes in course titles, course numbers, credit hours, prerequisites and catalog descriptions in all courses. Changes in the non-nursing curriculum take into account the new general education requirements and include the addition of the information technology requirement and the quantitative literacy requirement effective Summer I 2001. Total general education credit hours in the new proposed curriculum will range from 28-40 (depending on English, Quantitative Literacy, and Information Technology Literacy placement). The proposed non-nursing credit hours mentioned previously have been revised from the previous of 31-34 credit hours, with the minimum number of credit hours decreasing by three (deletion of Sociology 120), the addition of nine hours, and the maximum number increasing by six. Total credit hours for the proposed Associated Degree in Nursing Curriculum will range from 67-79, depending on the student's general education requirements.

The Liberal Studies requirement in the Social and Behavioral category is met with Psychology 101 and Educational Psychology 221 or Psychology 266 or Family and Consumer Sciences 103. Students entering the University in Fall 2001 must demonstrate quantitative competence. This requirement will be satisfied by: 1) completing a course designed to meet the Quantitative Literacy objectives, 2) testing out, or 3) meeting program-based substitutions for the Quantitative Literacy course. Students are expected to complete this requirement within the first 62 hours of enrollment. Students entering the University in Fall 2001 must also demonstrate competence in Information Technology. This requirement will be satisfied by: 1) completing a three credit hour course designed to provide all students with basic information management knowledge and skills, 2) testing out, 3) meeting program-based substitutions for the Information Technology Literacy course, or 4) completing instructional modules or specially designed workshops/seminars to satisfy the Information Technology Literacy requirement. Graduates of the revised program can apply for admission to the School's Baccalaureate Nursing Track for Registered Nurses when they have attained licensure as a registered nurse.

Criteria for admission, retention, and dismissal to the Associate Degree Nursing Program will remain the same. The Progression and Graduation requirements have been modified to reflect the proposed curriculum revision.

Library, computer, and support services are adequate and the proposed changes will not require an increase in these services or requirements in any other program.

Completed Registrar's Reports, Course Proposal Routing Sheets, Old and New Catalog Copy of Courses and Course Syllabi for courses recommended for change are attached.

The modified associate degree curriculum contains a minimum of 67 credit hours with 39 credit hours in the major and a minimum of 28 credit hours required outside of the major. The modified curriculum includes thirteen courses within the nursing major. Six are new courses; seven courses are incorporated from the current curriculum. In order to build upon the foundation of the new general education program and to accommodate the additional nursing requirements, a 5-semester sequence is proposed. Students will complete one semester of general education prior to admission to the associate degree program and/or enrolling in the first clinical nursing course. Courses for the nursing major are as follow:

New Courses:

NURS 151	Role Socialization in Nursing	1 credit hour
NURS 153	Introduction to Nursing Assessment	1 credit hour
NURS 154	Introduction to Drug Therapy I	1 credit hour
NURS 164	Drug Therapy II	1 credit hour
NURS 254	Drug Therapy III	1 credit hour
NURS 262	Nursing Practicum	4 credit hours

Current Courses that are revised:

NURS 152	Introduction to Nursing Care	4 credit hours
NURS 160	Nursing Care of Adults with Health Alterations	6 credit hours
NURS 162	Nursing Care of the Childbearing Family	4 credit hours
NURS 252	Nursing Care of Adults with Complex Health Alterations	6 credit hours
NURS 256	Psychosocial Nursing	4 credit hours
NURS 260	Nursing Care of Children	4 credit hours
NURS 263	Role Transition in Associate Degree Nursing	2 credit hours

Total Nursing Credit Hours	39 credit hours
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ASSOCIATE DEGREE NURSING PROGRAM

ISU's Associate of Science Degree with a major in Nursing is a two-year program of nursing and General Education courses. After completion of the program, the graduate can apply to take the examination in Indiana for licensure to practice as a registered nurse. The associate degree graduate is prepared to provide direct nursing care. In addition, the graduate is prepared as a manager of patient care and as a member within the discipline of nursing. Upon licensure the graduate can apply for admission to the School's Baccalaureate Track for Registered Nurses.

Admission Requirements*

1. Admission to the University as a degree seeking applicant.

2. Satisfactory performance on the SAT or ACT.
 - a. SAT preferred minimum composite score of 1000; minimum verbal score of 480 and minimum mathematics score of 440.
 - b. ACT preferred minimum composite score of 22.0.
3. High school rank in the upper 25 per cent.
4. Successful completion of the following high school or post secondary courses:
 - a. Two years of mathematics (one year of algebra).
 - b. One year of chemistry.

*College graduates will have their applications reviewed on an individual basis.

Nursing Nondesignated students**

For students who do not meet the above admission requirements but who have been identified as having potential to succeed in nursing, the School of Nursing provides the opportunity for students to enroll as nursing nondesignated (NND) students. Nursing nondesignated students should complete the following courses in order to be admitted to the Associate Degree Nursing Program, as space is available. These required courses must be completed with a composite GPA of at least 2.5, no course grade below a C, and no course repeated.

1. English 101 or 107 or equivalent courses.
2. Life Sciences 231 and 231L, or Life Sciences 241 and 241L, or Life Sciences 274 and 274L, or Chemistry 100 and 100L, or Chemistry 103 and 103L.
3. Psychology 101.

**All applicants must have completed two years of mathematics (one year of algebra) and one year of high school chemistry or equivalent college courses.

The Admissions, Progression, Retention, and Graduation Committee of the School of Nursing is responsible for decisions regarding admission to the Associate Degree Nursing Program which include reviewing qualifications of applicants who do not meet the above requirements for admission.

The School of Nursing welcomes applicants who have been graduated from a state approved practical nursing program and who wish to continue their nursing education.

Transfer Admission

A student transferring to the Indiana State University has the same consideration for admission to the Associate Degree Nursing Program as any matriculating Indiana State University student. Students will be considered for admission as a transfer student when the following minimum requirements have been met.

1. Have earned a grade of C or above for all cognate courses taken at a previous institution. A grade of C or above must have been earned the second time, if a course was repeated.
2. To receive transfer credit for equivalent nursing course(s) taken at another institution, a grade of B or above must have been earned.
3. A transfer student who is admitted to the Associate Degree Nursing Program with a grade less than B in one nursing course taken at another institution will be dismissed from the Program if a grade less than B is earned in any subsequent nursing course at Indiana State University.
4. A transfer applicant who has earned a grade less than B in two or more nursing courses at another institution will not be admitted to the Associate Degree Nursing Program at Indiana State University.

Advanced Standing

Credits earned at another college or university will be evaluated on an individual basis in accordance with University and School policies. There also are opportunities for students to earn credit by examination. A graduate of a practical nursing program who has attained licensure as a Licensed Practical Nurse may earn credit for a maximum of three clinical nursing courses by completing Nursing 150 with a grade of B or above and passing appropriate examinations (theory and clinical). More detailed information is available from the Office of Student Affairs, School of Nursing.

Course Requirements for Associate Degree

First Year: Freshman First Semester Courses

Credit

Nursing 105—5 hrs.; English 107**--3 hrs.; Psychology 101—3 hrs.;
Life Sciences 231—2 hrs.; Life Sciences 231L—1 hr.; Chemistry 100—3 hrs. and
Chemistry 100L—1 hr. or Chemistry 104—3 hrs. and Chemistry 104L—1 hr. 18

Second Semester

Nursing 115—4 hrs.; Mathematics 111+--3 hrs.; Educational Psychology 221 or
Psychology 266 or Family and Consumer Sciences 103—3 hrs.;
Life Sciences 241—2 hrs; Life Sciences 241L—1 hr.; Life Sciences 274—2 hrs.;
Life Sciences 274L—1 hr. 13-16

Second Year: Sophomore
First Semester Courses

Nursing 205—6 hrs.; Nursing 215—4 hrs.; Sociology 120—3 hrs.;
Communication 101—3 hrs. 16

Second Semester Courses

Nursing 225—6 hrs.; Nursing 235—5 hrs.; Nursing Seminar 240—1 hr.;
Liberal Studies Elective—3 hrs. 15

Total Nursing Credits	31 hrs.
Total Non-nursing Credits	31-34 hrs.
Total Credits	62-65 hrs.

**Must complete English 101 before English 105 (or its equivalent) if SAT verbal is below 510 or ACT verbal is below 20.

+Required for students who do not meet exemption criteria.

Progression and Retention Requirements

1. Students must maintain a 2.0 cumulative GPA throughout their enrollment in the Associate Degree Nursing Program in the School of Nursing.
2. Students must achieve a minimum grade of B, as well as a satisfactory grade for the clinical component, in each nursing course. The failed nursing course must be repeated and passed before the student enrolls in any other clinical nursing course.
3. Students must achieve a minimum of C in the following cognate General Education courses:

First Year: English 105 or 107; Psychology 101; Life Sciences 231; Life Sciences 231L; Life Sciences 241; Life Sciences 241L; Life Sciences 274; Life Sciences 274L; Educational Psychology 221, or Psychology 266, or Family and Consumer Sciences 103; Chemistry 100 and 100L or Chemistry 104 and 104L.

Second Year: Sociology 120.

Only two cognate courses may be repeated one time each in order to achieve a minimum grade of C. Each cognate science course and its laboratory count as one course.

4. Students must successfully complete all nursing and cognate courses for each level before progressing to the next level of the curriculum.

5. Enrollment in clinical nursing courses will be determined by the following priorities:
 - a. Continuing students—students who enroll in at least one clinical nursing course each semester.
 - b. Advanced placement students—students who have earned advanced placement in the sequence of nursing courses and who will be enrolling in their first clinical nursing course.
 - c. Non-continuing students—students in good standing who have dropped out of the sequence of clinical nursing courses for at least one semester.
 - d. Non-progressing students—students who must repeat a clinical nursing course.
6. To assist the student to succeed academically, the student who has failed one nursing course will:
 - a. Submit a letter to the Office of Student Affairs. The letter must include the student's explanation for the failure and specific recommendations and a plan to achieve academic success.
 - b. Meet with the Director of Student Affairs to discuss the identified plan. Failure to meet with the Director of Student Affairs will prohibit the student's enrollment in the failed nursing course. The student, the student's advisor, and the course facilitator of the failed nursing course will receive a copy of the recommendations from the Director of Student Affairs.
 - c. Take responsibility for implementation of the identified plan and recommendations for academic improvement.

Graduation Requirements

The degree of Associate of Science is granted by the Board of Trustees of Indiana State University to those candidates who have been recommended for the degree by the faculty of the School of Nursing and who have fulfilled all University requirements and have completed the following School requirements:

1. Earned a minimum of 62 semester hours with a cumulative grade point average of 2.00 or above.
2. Passed all required courses with a minimum grade of B in each nursing course and a minimum grade of C in each cognate course.

The graduate is eligible to apply for examination for licensure to practice as a registered nurse (R.N.) in Indiana. State Board Regulations require all students to spend a minimum of one year in the program from which graduated.

Dismissal Policy

1. A failed nursing course may be repeated only one time. Failure of a nursing course for a second time will result in dismissal from the Associate Degree Nursing Program.
2. Failure of any two nursing courses within the Associate Degree Nursing Program will result in

dismissal from the Program.

3. A failed cognate course may be repeated only one time. Failure of the same cognate for the second time will result in dismissal from the Program.
4. Failure of any three cognate courses within the Associate Degree Nursing Program will result in dismissal from the Program.
5. Any student who has been dismissed from the Associate Degree Nursing Program is not eligible to enroll in any nursing class.

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ASSOCIATE DEGREE NURSING PROGRAM

ISU's Associate of Science Degree with a major in Nursing is a five-semester program of nursing and General Education courses. After completion of the program, the graduate can apply to take the examination in Indiana for licensure to practice as a registered nurse. The associate degree graduate is prepared to provide direct nursing care. In addition, the graduate is prepared as a manager of patient care and as a member within the discipline of nursing. Upon licensure the graduate can apply for admission to the School's Baccalaureate Track for Registered Nurses.

Admission Requirements*

1. Admission to the University as a degree seeking applicant.
2. Satisfactory performance on the SAT or ACT.
 - a. SAT preferred minimum composite score of 1000; minimum verbal score of 480 and minimum mathematics score of 440.
 - b. ACT preferred minimum composite score of 22.0.
3. High school rank in the upper 25 per cent.
4. Successful completion of the following high school or post secondary courses:
 - a. Two years of mathematics (one year of algebra).
 - b. One year of chemistry.

*College graduates will have their applications reviewed on an individual basis.

Nursing Nondesignated students**

For students who do not meet the above admission requirements but who have been identified as having potential to succeed in nursing, the School of Nursing provides the opportunity for students to enroll as nursing nondesignated (NND) students. Nursing nondesignated students should complete the following courses in order to be admitted to the Associate Degree Nursing Program, as space is available. These required courses must be completed with a composite GPA of at least 2.5, no course grade below a C, and no course repeated.

1. English 101 or 107 or equivalent courses.
2. Life Sciences 231 and 231L, or Life Sciences 241 and 241L, or Life Sciences 274 and 274L, or Chemistry 100 and 100L, or Chemistry 103 and 103L.
3. Psychology 101.

****All applicants must have completed two years of mathematics (one year of algebra) and one year of high school chemistry or equivalent college courses.**

The Admissions, Progression, Retention, and Graduation Committee of the School of Nursing is responsible for decisions regarding admission to the Associate Degree Nursing Program which include reviewing qualifications of applicants who do not meet the above requirements for admission.

The School of Nursing welcomes applicants who have been graduated from a state approved practical nursing program and who wish to continue their nursing education.

Transfer Admission

A student transferring to the Indiana State University has the same consideration for admission to the Associate Degree Nursing Program as any matriculating Indiana State University student. Students will be considered for admission as a transfer student when the following minimum requirements have been met.

1. Have earned a grade of C or above for all cognate courses taken at a previous institution. A grade of C or above must have been earned the second time, if a course was repeated.
2. To receive transfer credit for equivalent nursing course(s) taken at another institution, a grade of B or above must have been earned.
3. A transfer student who is admitted to the Associate Degree Nursing Program with a grade less than B in one nursing course taken at another institution will be dismissed from the Program if a grade less than B is earned in any subsequent nursing course at Indiana State University.
4. A transfer applicant who has earned a grade less than B in two or more nursing courses at another institution will not be admitted to the Associate Degree Nursing Program at Indiana State University.

Advanced Standing

Credits earned at another college or university will be evaluated on an individual basis in accordance with University and School policies. There also are opportunities for students to earn credit by examination. A graduate of a practical nursing program who has attained licensure as a Licensed Practical Nurse may earn credit for a maximum of three clinical nursing courses by completing Nursing 150 with a grade of B or above and passing appropriate examinations (theory and clinical). More detailed information is available from the Office of Student Affairs, School of Nursing.

Course Requirements for Associate Degree

First Year: Freshman	Credit
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First Semester Courses	
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Nursing 151—1 hr.; *Communication 101--3 hrs.; *Information Technology--0-3 hrs.; **Psychology 101--3 hrs.; Life Sciences 231--2 hrs.; Life Sciences 231L--1 hr.; **Chemistry 100--3 hrs.; **Chemistry 100L--1 hr.	14-17
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Second Semester

Nursing 152--4 hrs.; Nursing 153--1 hr.; Nursing 154--1 hr.; Educational Psychology 221 or Psychology 266 or Family and Consumer Sciences 103--3 hrs.; Life Sciences 241--2 hrs.; Life Sciences 241L--1 hr.; *+English 107--3 hrs.	15
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Second Year: Sophomore

First Semester

Nursing 160--4 hrs.; Nursing 162--6 hrs.; Nursing 164--1 hr.; Life Sciences 274--2 hrs.; Life Sciences 274L--1 hr.	14
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Second Semester

Nursing 252--6 hrs.; Nursing 254--1 hr.; Nursing 256--4 hrs.; *Quantitative Literacy requirement--0-6 hrs.	11-17
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Third Year: Junior

First Semester

Nursing 260--4 hrs.; Nursing 262--4 hrs.; Nursing 263--2 hrs.; **Elective in Multi-cultural Studies (MCS)--3 hrs.	13
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Total Nursing Credits	39 hrs.
Total Non-nursing Credits	28-40 hrs.

*Basic studies requirement = Writing at the 100 level, Communication, Quantitative Literacy, and Information Technology Literacy.

**Liberal studies requirement = 15 credits minimum

+Must complete English 101 before English 105 (or its equivalent) if SAT verbal is below 510 or ACT verbal is below 20.

Progression and Retention Requirements

1. Students must maintain a 2.0 cumulative GPA throughout their enrollment in the Associate Degree Nursing Program in the School of Nursing.
2. Students must achieve a minimum grade of B, as well as a satisfactory grade for the clinical component, in each nursing course. The failed nursing course must be repeated and passed before the student enrolls in any other clinical nursing course.
3. Students must achieve a minimum of C in the following cognate General Education courses:

Psychology 101; Life Sciences 231; Life Sciences 231L; Chemistry 100; Chemistry 100L; Educational Psychology 221 or Psychology 266 or Family and Consumer Sciences 103; Life Sciences 241; Life Sciences 241L; English 105 or 107; Life Sciences 274; Life Sciences 274L.

Only two cognate courses may be repeated one time each in order to achieve a minimum grade of C. Each cognate science course and its laboratory count as one course.
4. Students must successfully complete all nursing and cognate courses for each level before progressing to the next level of the curriculum.
5. Enrollment in clinical nursing courses will be determined by the following priorities:
 - a. Continuing students—students who enroll in at least one clinical nursing course each semester.
 - b. Advanced placement students—students who have earned advanced placement in the sequence of nursing courses and who will be enrolling in their first clinical nursing course.
 - c. Non-continuing students—students in good standing who have dropped out of the sequence of clinical nursing courses for at least one semester.
 - d. Non-progressing students—students who must repeat a clinical nursing course.
6. To assist the student to succeed academically, the student who has failed one nursing course will:
 - a. Submit a letter to the Office of Student Affairs. The letter must include the student's explanation for the failure and specific recommendations and a plan to achieve academic success.

- b. Meet with the Director of Student Affairs to discuss the identified plan. Failure to meet with the Director of Student Affairs will prohibit the student's enrollment in the failed nursing course. The student, the student's advisor, and the course facilitator of the failed nursing course will receive a copy of the recommendations from the Director of Student Affairs.
- c. Take responsibility for implementation of the identified plan and recommendations for academic improvement.

Graduation Requirements--Associate Degree

The degree of Associate of Science is granted by the Board of Trustees of Indiana State University to those candidates who have been recommended for the degree by the faculty of the School of Nursing and who have fulfilled all University requirements and have completed the following School requirements:

- 1. Earned a minimum of 67 semester hours with a cumulative grade point average of 2.00 or above.
- 2. Passed all required courses with a minimum grade of B in each nursing course and a minimum grade of C in each cognate course.

The graduate is eligible to apply for examination for licensure to practice as a registered nurse (R.N.) in Indiana. State Board Regulations require all students to spend a minimum of one year in the program from which graduated.

Dismissal Policy

- 1. A failed nursing course may be repeated only one time. Failure of a nursing course for a second time will result in dismissal from the Associate Degree Nursing Program.
- 2. Failure of any two nursing courses within the Associate Degree Nursing Program will result in dismissal from the Program.
- 3. A failed cognate course may be repeated only one time. Failure of the same cognate for the second time will result in dismissal from the Program.
- 4. Failure of any three cognate courses within the Associate Degree Nursing Program will result in dismissal from the Program.
- 5. Any student who has been dismissed from the Associate Degree Nursing Program is not eligible to enroll in any nursing class.

COMPARISON OF CURRENT AND MODIFIED ASSOCIATE DEGREE CURRICULUM:

The following chart is a summary comparison of the current major courses and the proposed courses in the modified associate degree program.

CURRENT CURRICULUM

No Current Course
NURSING 105 (5 Cr.)
No Current Course
No Current Course
NURSING 205 (6 Cr.)
NURSING 115 (4 Cr.)
No Current Course
NURSING 225 (6 Cr.)
No Current Course
NURSING 235 (5 Cr.)
NURSING 215 (4 Cr.)
No Current Course
NURSING 240 (1 Cr.)

TOTAL CREDITS 31**MODIFIED CURRICULUM**

NURSING 151 (1 Cr.)
NURSING 152 (4 Cr.)
NURSING 153 (1 Cr.)
NURSING 154 (1 Cr.)
NURSING 160 (6 Cr.)
NURSING 162 (4 Cr.)
NURSING 164 (1 Cr.)
NURSING 252 (6 Cr.)
NURSING 254 (1 Cr.)
NURSING 256 (4 Cr.)
NURSING 260 (4 Cr.)
NURSING 262 (4 Cr.)
NURSING 263 (2Cr.)

TOTAL CREDITS 39**SCHOOL OF NURSING****Baccalaureate Degree Nursing Program***Approved by CAAC 3/22/01 5-0-0**Approved by Executive Committee 4/17/01 7-0-0**Approved by Faculty Senate 4/19/01 35-0-0***Executive Summary:**

The proposed modification for the Baccalaureate Degree Nursing Program involves reduction of three credit hours in the nursing major; reallocation and redistribution of content and credit hours within existing courses; slight variation in current sequencing plan to increase scheduling flexibility; minor changes in either course titles, course numbers, credit hours, prerequisites or catalog descriptions in several courses; the deletion of four course numbers and titles; and the addition of two newly designed three credit hour courses that would allow a concentrated clinical concentration in a student selected clinical area of interest and a capstone professional synthesis course to meet the University's General Education requirement. Essential content in those course numbers and titles recommended for deletion will be reassigned to courses within the modified plan and will not be eliminated from the curriculum. The curriculum has been closely coordinated with the Baccalaureate Track for Registered nurses which netted a mixed integration model for sharing six courses for both programs to allow more efficient utilization of physical facilities and faculty resources. The proposal will require a total of 62 credits within the nursing major compared to the current design that requires 65 credit hours. Students will meet the General Education 2001 program standards involving the basic and liberal studies required of all baccalaureate students. A minimum of 125 credit hours will be earned for award of the Baccalaureate degree.

Rationale:

A systematic and comprehensive review of the Baccalaureate Degree indicated a need to modify the current curriculum design to strengthen students' educational preparation for the initial professional licensure examination (NCLEX), increase recruitment and retention of students, and provide a more cost-effective and efficient curriculum design that maximizes conservation of the use of physical facilities and faculty resources. This proposal increases student clinical clock hours while simultaneously reallocating credit hours into a decreased number of nursing courses. A simultaneous review of the Baccalaureate Track for Registered Nurses indicated course comparability that facilitated an emergence of a mixed model of course offering and delivery to conserve faculty and physical resources while maintaining the integrity of program outcomes and outcomes expected of baccalaureate education. The proposed changes are more consistent with the rapidly changing environment of nursing education aimed at preparing nurses to care for patients with complex health care needs within community and highly technological institutional settings.

The addition of N484, Reflective Nursing Practice, is a unique and innovative feature of the curriculum. This course will provide students the opportunity to explore a practice area in depth and focus on clinical areas of special interest of the individualized student. The specific clinical course foci for each semester will be determined by the student's career goals and faculty guidance. This course is a curricular synthesis point where theory, practice, evidenced based knowledge and leadership emerge through reflection and synthesis through concentrated clinical practice. The proposed N 486, Professional Nursing Synthesis, is designed to comply with the general education requirement for a capstone course. It is understood that this course still requires submission for approval. Both N484 and N486 are designed as complementary courses that allow total immersion into reflection, integration and synthesis of the liberal studies foundational competencies in tandem with synthesis of evidence based theory, professional practice competencies and examination of personal goals.

Finally, the revised curriculum design maximizes a more cost-effective design that conserves and facilitates optimal utilization of physical resources and faculty resources. This curricular design substantially enhances the quality of the program through maximum clinical exposure, unduplicated course offerings and allows the full emergence of the foundational liberal studies program to under gird and inform a reflective practitioner prepared at a baccalaureate level in today's constantly changing health care delivery system.

CURRENT CATALOG COPY

Course Requirements for Baccalaureate Degree:

First Year

First Semester

Nursing 104	2 credits
English 101/107*#	3 credits
Psychology 101*#	3 credits
Math Requirement*#	3 credits
Chemistry 100/L or 104/L*#	<u>4 credits</u>
	15 credits

Second Semester

English 105*#	3 credits
Psychology 266, Educational Psychology 221, or Family and Consumer Sciences 103*	3 credits
Sociology 120*	3 credits
Life Sciences 231*#	2 credits
Life Sciences 231L*#	1 credit Communication
101*#	3 credits
Information Technology Requirement or Elective	<u>3 credits</u>
	15-18 credits

Second Year

First Semester

Nursing 200	3 credits
Nursing 204	3 credits
Nursing 206	2 credits
Life Sciences 241*	2 credits
Life Sciences 241L*	1 credit
Life Sciences 274*	2 credits
Life Sciences 274L*	1 credit
Foreign Language Requirement	<u>3 credits</u>
	14-17 credits

Second Semester

Nursing 224	4 credits
Nursing 226	3 credits
Nursing 228	2 credits
Literary, Artistic, and Philosophical Studies	3 credits
Foreign Language Requirement	3 credits
Physical Education Requirement	<u>2 credits</u>
	14-17 credits

Third Year

First Semester

Nursing 330	4 credits
Nursing 328	4 credits
Nursing 336	3 credits
Educational Psychology 302 or Health and Safety 340*	3 credits
Life Sciences 412*	<u>3 credits</u>
	17 credits

Second Semester

Nursing 322	3 credits
Nursing 324	4 credits
Nursing 342	5 credits
Nursing 346	2 credits
English 305*	<u>3 credits</u>
	17 credits

Fourth Year

First Semester

Nursing 424	4 credits
Nursing 428	4 credits
Literary, Artistic, and Philosophical Studies	3 credits
Historical Studies	3 credits
Multicultural Studies (U.S. Diversity)	<u>3 credits</u>
	17 credits

Second Semester

Nursing 400	2 credits
Nursing 432	2 credits
Nursing 434	4 credits
Nursing 442+	5 credits
Multicultural Diversity (International Cultures)	<u>3 credits</u>
	16 credits

*Cognate course

#Prerequisite to Nursing 200, 204, and/or 206

+ Proposed Capstone Course

Total Nursing Credits	65 - 65credits
Total Non-Nursing Credits	<u>60 - 69 credits</u>
Total Credit Hours	125 - 134 credits

Note: The specific requirements and distribution of general education courses/hours may be changed to address any refinements /changes in the new General Education Program adopted by the University Faculty Senate that will be implemented Fall Semester of 2000.

PROPOSED CATALOG COPY

Course Requirements for Baccalaureate Degree:

First Year

First Semester

Nursing 104#	2 credits
English 101/107*#	3 credits
Psychology 101*#	3 credits
Quantitative Literacy Requirement*#	3 credits
Chemistry 100/L or 104/L*#	4 credits
Information Technology Requirement or Elective#	<u>3 credits</u>
	18 credits

Second Semester

English 105*#	3 credits
Psychology 266, Educational Psychology 221, or Family and Consumer Sciences 103*#	3 credits
Sociology 120*#	3 credits
Life Sciences 231*#	2 credits
Life Sciences 231L*#	1 credit Communication
101*#	3 credits
Nursing 106#	<u>2 credits</u>
	14-17 credits

Second Year

First Semester

Nursing 200	3 credits
Nursing 204	5 credits
Life Sciences 241*	2 credits
Life Sciences 241L*	1 credit
Life Sciences 274*	2 credits
Life Sciences 274L*	1 credit
Foreign Language Requirement	<u>3 credits</u>
	14-17 credits

Second Semester

Nursing 224	5 credits
Nursing 226	3 credits
Nursing 228	3 credits
Literary, Artistic, and Philosophical Studies	3 credits
Foreign Language Requirement	<u>3 credits</u>

Third Year**First Semester**

Nursing 330	4 credits
Nursing 328	4 credits
Nursing 318	3 credits
Educational Psychology 302 or Health and Safety 340*	3 credits
Life Sciences 412*	<u>3 credits</u>
	17 credits

Second Semester

Nursing 322	3 credits
Nursing 324	5 credits
English 305*	3 credits
PE 101	<u>2 credits</u>
	13 credits

Fourth Year**First Semester**

Nursing 424	5 credits
Nursing 450	6 credits
Literary, Artistic, and Philosophical Studies	3 credits
Multicultural Studies (U.S. Diversity)	<u>3 credits</u>
	17 credits

Second Semester

Nursing 484	3 credits
Nursing 470	3 credits
Nursing 486+	3 credits
Historical Studies	3 credits
Multicultural Diversity (International Cultures)	<u>3 credits</u>
	15 credits

*Cognate course

#Prerequisite to Nursing 200, 204

+ Proposed Capstone Course

At least 50 semester hours must be at the 300 to 400 course level.

Total Nursing Credits	62 credits
Total Non-Nursing Credits	<u>63 - 69 credits</u>

SCHOOL OF NURSING**Baccalaureate Track for Registered Nurses***Approved by CAAC 3/22/01 5-0-0**Approved by Executive Committee 4/17/01 7-0-0**Approved by Faculty Senate 4/19/01 35-0-0***Executive Summary:**

The proposed modification in the Baccalaureate Track for Registered Nurses involves a reallocation and redistribution of content and credit hours within the existing courses, variation in the current sequencing plan to increase scheduling flexibility, changes in prerequisites and catalog descriptions, the deletion of six course numbers and titles with integration of content into existing courses, streamlining of content areas and delivery, and the addition of two newly designed three credit hour courses that would involve a clinical concentration in a student selected clinical area of interest and a capstone course to meet the University's General Education requirements. Essential content in those course numbers and titles recommended for deletion will be reassigned to courses within the modified plan and will not be eliminated from the curriculum. Students will continue to have the opportunity to validate course outcomes through professional portfolios; however, Nursing 300, Nursing 484, and the proposed capstone course, N486, will be required.

A foundation course, five major pillar competencies, a clinical synthesis course, and the capstone course will define the revised curriculum. The proposal will require a total of 29 credit hours within the nursing major compared to the current design that requires 33 credit hours. Students will meet the General Education 2001 program standards that involve the basic and liberal studies required of all baccalaureate students. Twenty eight credits from the nursing major and 34 credits from non-nursing courses will be transferred in from the student's Associate Degree Nursing Program and a minimum of 124 credit hours will be earned for graduation.

Rationale:

The first cohort was admitted to the Baccalaureate Track for Registered Nurses in the Fall Semester of 1998. After evaluating the progression and the course outcomes of three cohorts, faculty have determined that a modification in the current curriculum design will enhance students' progression through the curriculum, their achievement of Program Outcomes, and provide greater opportunity to meet the learning needs of working registered nurses. A review of the current national trends indicates that the majority of registered nurse completion programs require fewer clinical hours than programs for pre-licensure students and also offer lower numbers of courses with higher concentrations of credit hours within each nursing course. The total number of semesters required for completion of the proposed Track is decreased and provides a more attractive marketing strategy for recruitment and increased enrollments. The proposed change is more consistent with the rapidly changing environment of nursing education that is preparing nurses to care for patients with complex health care problems within community and highly technological institutionalized settings.

The change in the General Education requirements of Quantitative Literacy, Information Technology Literacy, and Foreign Language have greatly impacted the recruitment of students for this Track and the working nurses' completion of the current curriculum. It is anticipated that changes in the proposed curriculum design are essential in order to attract students to Indiana State University and to maintain a competitive edge with other Registered Nurse Completion Programs that do not have the same rigorous general education requirements. Nursing 486 is proposed to comply with the general education requirement for a capstone course.

The addition of a Clinical Nursing Concentration Course is a unique and innovative feature of the curriculum that provides students the opportunity to explore a practice area in depth and to focus on clinical areas of special interest of the individualized student. The specific clinical course foci for each semester will be determined by student's career goals and faculty guidance.

Finally, the revised curriculum design provides a more cost-effective way to offer quality education to registered nurses in the community who are interested in increasing their level of preparation. The course design and sequencing plan have been coordinated closely with the modified Baccalaureate Nursing Program Proposal so that the overlapping of six core courses results in a mixed curriculum model and ultimately conservation and better utilization of faculty resources.

CURRENT CATALOG COPY

Course Requirements for Baccalaureate Track for Registered Nurses:

First Semester Courses	Credit
Nursing 300--2 hrs; Nursing 304*+--3 hrs.; Educational Psychology 302 or Health and Safety 340--3 hrs.	8
Second Semester Courses	
Nursing 322+--3 hrs.; Nursing 306+--2 hrs.; English 305--3 hrs.	8
Summer Semester	
General Education courses.	6\
Third Semester Courses	
Nursing 308+--2 hrs.; Nursing 318*+--3 hrs.; Life Sciences 412--3 hrs.	8
Fourth Semester Courses	
Nursing 420*+--4 hrs.; Nursing 430*+--3 hrs.	7
Summer Semester	
General Education courses.	6
Fifth Semester Courses	
Nursing 450*+--4 hrs.; Nursing 480--1 hr.; Nursing 400--2 hrs.; General Education--3 hrs.	10

Sixth Semester Courses

Nursing 470*+--3 hrs.; Nursing 482--1 hr.; General Education--5 hrs.

9

* Clinical Nursing courses

+ Total or partial credit can be earned by assessment of professional portfolios.

At least 50 semester hours must be at the 300 to 400 course level.

PROPOSED CATALOG COPY

Course Requirements for Baccalaureate Track for Registered Nurses:

First Semester Courses:

Credit

Nursing 300-4 hrs; Life Science 412-3 hrs; Educational Psychology 302
or Health and Safety 340-3 hrs; Information Technology Literacy or elective-3 hrs.

13

Second Semester Courses:

*+ Nursing 304-4 hrs.; +Nursing 322-3 hrs; +Nursing 318-3 hrs; English 305-3 hrs; 13-16
Quantitative Literacy Requirement-0-3 hrs.

Summer Semester I

Foreign Language or elective-3 hrs.; Liberal Studies-3 hrs.

6

Summer Semester II

Foreign Language or elective-3 hrs.; Liberal Studies- 3 hrs.;

6

Third Semester Courses:

*+Nursing 450-6 hrs; +Nursing 470-3 hrs.; Liberal Studies-3 hrs.
Liberal Studies-3 hrs.

15

Fourth Semester Courses

*Nursing 484-3 hrs.; #Nursing 486-3 hrs; Liberal Studies-3 hrs.;
PE 101-2 hrs.

11

* Clinical Nursing Courses

+ Total or partial credit can be earned by assessment of a professional portfolio.

Capstone Course

At least 50 semester hours must be at the 300 to 400 course level.

Total Nursing Credits	29
Total Non-Nursing Credits	<u>35-38</u>
Total Credits	64-67

REVISION OF UNDERGRADUATE REQUIREMENTS

SCHOOL OF EDUCATION

TEP II - Candidates for Teaching

TEP III – Graduation and Institutional Recommendation for Licensure

Approved by CAAC 3/22/01 5-0-0

Approved by Executive Committee 4/17/01 8-0-0

Approved by Faculty Senate 4/19/01 33-2-0

Executive Summary:

This proposal describes a response to new cutoff requirements for Praxis II Specialty Examinations that are required by the Indiana Professional Standards Board. All teacher preparation students at Indiana State University who are required to take a Praxis II Specialty Examination will be required to take the examination prior to student teaching and score at – 1 standard error points of the Indiana cutoff score or higher; students will be required to pass the examination at Indiana cutoff standards prior to graduation and recommendation for licensure.

Rationale:

The proposed changes in the teacher preparation programs will ensure that all ISU program completers in teacher preparation will be licensable by the State of Indiana.

Because of frequent changes in required tests and cutoff scores, applicants should inquire with their advisors or with Education Student Services to learn about applicable tests that are required and the specified cutoff scores for which they will be held accountable.

CURRENT CATALOG COPY

TEP-II--Candidates For Teaching

Students must be admitted to TEP-II before they register for the student teaching semester. Applications are usually obtained at the Student Teaching Enrollment Meeting (STEM) in the academic year prior to student teaching.

The applicant must:

1. Be in good standing on TEP-I.
2. Have earned 55 or more semester hours, ten of which were from Indiana State University with a grade point average of 2.5 or better, and have a cumulative grade point average of 2.5 or higher.
3. Maintain an Indiana State University grade point average of 2.5 or higher in each teaching area--overall major, primary area, supporting areas(s), minor, and endorsement. Any transfer work applicable to the teaching area(s) must also satisfy the 2.5 or higher grade point average standard.
4. Maintain an Indiana State University grade point average of 2.5 or higher in the professional education courses with no grade less than C.
5. Obtain the recommendations of the teaching major department/center and the review department affirming that the candidate has the academic, personal, and professional qualities for successful teaching.
6. Satisfy any additional criteria approved for specific teaching majors.

TEP-III--Graduation and Institutional Recommendation for Licensure

Students must satisfy the criteria for TEP-III in order to receive a recommendation for a teaching license. The application for licensure should be obtained from and returned to Education Student Services, 210 School of Education. Requirements one through seven below must be met for graduation even if the individual does not seek licensure.

The applicant must:

1. Be in good standing on TEP-II.
2. Present an Indiana State University cumulative grade point average of 2.5 or higher.
3. Present a teaching major Indiana State University grade point average of 2.5 or higher (includes a grade point average of 2.5 or higher in primary and supporting areas). At least 12 semester hours of a teaching area must be completed at Indiana State University.
4. Present teaching minors, endorsements, primary areas, and supporting areas with an Indiana State University grade point average of 2.5 or higher. A grade point average of 2.5 or higher must also be presented in the specialization areas of minors such as social studies and special education. Normally at least 50 percent of the teaching area will be completed at Indiana State University. Minors and endorsements are optional.
5. Complete all professional education courses with a grade point average of 2.5 or higher and no grade

less than C, and satisfactorily complete the supervised teaching experience.

6. Complete the specific Indiana State University program requirements in General Education, professional education, and major as well as in any optional minor or endorsement completed for licensure.
7. Have continued support from the review department and the major department.
8. Qualify for a bachelor's degree from Indiana State University or hold a baccalaureate degree from an accredited college or university.
9. Pass the tests required for state licensure.
10. Apply for the license before five years have passed since completion of the teaching program. (Consult with staff in Education Student Services for requirements if last courses are more than five years old at the time the license is desired.)

PROPOSED CATALOG COPY

TEP-II--Candidates For Teaching

Students must be admitted to TEP-II before they register for the student teaching semester. Applications are usually obtained at the Student Teaching Enrollment Meeting (STEM) in the academic year prior to student teaching.

The applicant must:

1. Be in good standing on TEP-I.
2. Have earned 55 or more semester hours, ten of which were from Indiana State University with a grade point average of 2.5 or better, and have a cumulative grade point average of 2.5 or higher.
3. Maintain an Indiana State University grade point average of 2.5 or higher in each teaching area--overall major, primary area, supporting areas(s), minor, and endorsement. Any transfer work applicable to the teaching area(s) must also satisfy the 2.5 or higher grade point average standard.
4. Maintain an Indiana State University grade point average of 2.5 or higher in the professional education courses with no grade less than C.
5. Obtain the recommendations of the teaching major department/center and the review department affirming that the candidate has the academic, personal, and professional qualities for successful teaching.
6. Complete specialty tests required by the Indiana Professional Standards Board with a reported score of -1 standard error of the cutoff score or higher.

7. Satisfy any additional criteria approved for specific teaching majors.

TEP-III--Graduation and Institutional Recommendation for Licensure

Students must satisfy the criteria for TEP-III in order to receive a recommendation for a teaching license. The application for licensure should be obtained from and returned to Education Student Services, 210 School of Education. Requirements one through eight below must be met for graduation even if the individual does not seek licensure.

The applicant must:

1. Be in good standing on TEP-II.
2. Present an Indiana State University cumulative grade point average of 2.5 or higher.
3. Present a teaching major Indiana State University grade point average of 2.5 or higher (includes a grade point average of 2.5 or higher in primary and supporting areas). At least 1 semester hours of a teaching area must be completed at Indiana State University.
4. Present teaching minors, endorsements, primary areas, and supporting areas with an Indiana State University grade point average of 2.5 or higher. A grade point average of 2.5 or higher must also be presented in the specialization areas of minors such as social studies and special education. Normally at least 50 percent of the teaching area will be completed at Indiana State University. Minors and endorsements are optional.
5. Complete all professional education courses with a grade point average of 2.5 or higher and no grade less than C, and satisfactorily complete the supervised teaching experience.
6. Complete the specific Indiana State University program requirements in General Education, professional education, and major as well as in any optional minor or endorsement completed for licensure.
7. Have continued support from the review department and the major department.
8. Complete specialty tests required by the Indiana Professional Standards Board with a reported score at the cutoff score or higher.
9. Qualify for a bachelor's degree from Indiana State University or hold a baccalaureate degree from an accredited college or university.
10. Apply for the license before five years have passed since completion of the teaching program.
(Consult with staff in Education Student Services for requirements if last courses are more than five

years old at the time the license is desired).

COURSE REACTIVATIONS

SCHOOL OF EDUCATION: Educational & School Psychology

EPSY 495 **Topics in Educational Psychology – 1-3 hours.** This course is devoted at each offering to the study of a contemporary problem, trend, or innovative development in educational psychology. May be repeated if different topic is studied, but no more than 6 semester hours may be counted toward meeting degree requirements.

SCHOOL OF HEALTH & HUMAN PERFORMANCE: Physical Education

PE 350 **Water Safety Instructor – 2 hours.** Preparation for certification as a American Red Cross Water Safety Instructor.

GRADUATE APPROVALS

NEW COURSES

COLLEGE OF ARTS & SCIENCES: Geography, Geology, & Anthropology

GEOG 657 **Advanced Geomorphology – 3 hours.** Knowledge of landscape-forming processes is gained by an in-depth study of fluvial processes in the laboratory and in the field; other fluid processes, Aeolian and glacial, are analyzed. A field project and field trips are required, including research on a field problem. A two-hour lecture and a two-hour laboratory weekly. Prerequisite: 350 (Also listed at [*GEOG*] 657).

SCHOOL OF EDUCATION: Counseling

COUN 710 **Community Counseling – 3 hours.** Introduction to community systems, needs assessment, intervention, and evaluation. Education, prevention, and community change will be studied with an emphasis on contemporary mental health topics. Action-oriented research which impacts public policy debate will receive specific attention.

COURSE REVISIONS

COLLEGE OF ARTS & SCIENCES: Geography, Geology, & Anthropology

GEOG *505 **Fundamentals of Remote Sensing – 3 hours.** Nature and interpretation of aerial photos, radar, and satellite scanner images as related to Earth resources analysis. Photogrammetry, digital image interpretation, and GIS approaches are presented. Prerequisite: 111 or 115 or 160 or consent of instructor.

Change prerequisites to:

GEOG *505 Fundamentals of Remote Sensing - 3 hours. Nature and interpretation of aerial photos, radar, and satellite scanner images as related to Earth resources analysis. Photogrammetry, digital image interpretation, and GIS approaches are presented. Prerequisite: 100-level course or higher in geography (GEOG) or geology (GEOL) or consent of instructor.

**Course has an undergraduate level equivalent*

GEOG *517 Industrial Geography - 3 hours. Industrial location factors, distribution of selected industries, and complex aerial patterns of manufacturing. Prerequisite: 313 or consent of instructor.

Change prerequisites to:

GEOG *517 Industrial Geography - 3 hours. Industrial location factors, distribution of selected industries, and complex aerial patterns of manufacturing. Prerequisite: 100-level course or higher in geography (GEOG) or consent of instructor.

**Course has an undergraduate level equivalent*

GEOG *540 Advanced Quantitative Geography - 3 hours. The application of statistical techniques within geographical contexts, including descriptive, inferential, and multivariate methodologies. Emphasis is on problem solving in the geosciences. Prerequisite: Mathematics 241.

Change prerequisites to :

GEOG *540 Advanced Quantitative Geography - 3 hours. The application of statistical techniques within geographical contexts, including descriptive, inferential, and multivariate methodologies. Emphasis is on problem solving in the geosciences. Prerequisite: GEOG 240 or equivalent or consent of instructor.

**Course has an undergraduate level equivalent*

GEOG *542 Geographic Information Systems: Applications - 3 hours. Application of basic principles of geometric information systems by providing practice in employing this technology to a simulated problem. Prerequisite: 242 or consent of instructor.

Change prerequisites to:

GEOG *542 Geographic Information Systems: Applications - 3 hours. Application of basic principles of geometric information systems by providing practice in employing this technology to a simulated problem. Prerequisite: 100 level course or higher in geography (GEOG) or geology (GEOL) or consent of instructor.

**Course has an undergraduate level equivalent*

GEOG *544 The Processing of Spatial Data for Geoscientists - 3 hours. The application of a computer language to the processing of geographic (spatial) data. Prerequisite: 12 semester hours of geography or geology, or consent of instructor.

Change prerequisites to:

GEOG *544 The Processing of Spatial Data for Geoscientists - 3 hours. The application of a computer language to the processing of geographic (spatial) data. Prerequisite: 100 level course or higher in geography (GEOG) or geology (GEOL) or consent of instructor.

**Course has an undergraduate level equivalent*

GEOG 657 Advanced Geomorphology – 3 hours. Knowledge of landscape-forming processes is gained by an in-depth study of fluvial processes in the laboratory and in the field; other fluid processes, Aeolian and glacial, are analyzed. A field project and field trips are required, including research on a field problem. A two-hour lecture and a two-hour laboratory weekly. Prerequisite: 350.

Change cross-listing to:

GEOG 657 Advanced Geomorphology – 3 hours. Knowledge of landscape-forming processes is gained by an in-depth study of fluvial processes in the laboratory and in the field; other fluid processes, Aeolian and glacial, are analyzed. A field project and field trips are required, including research on a field problem. A two-hour lecture and a two-hour laboratory weekly. Prerequisite: 350 (Also listed at GEOL 657).

SCHOOL OF EDUCATION: Counseling

COUN *534 Counseling Psychology: Agency and Community – 3 hours. An introduction to the use of counseling in agency and community contexts. Intervention strategies, theoretical models, working contexts, relationships to other professions, ethics, obstacles to service delivery, and personal qualities of counselors are reviewed.

Change title and description to:

COUN *534 Foundations of Counseling Psychology – 3 hours. An orientation to the field focusing on issues relevant to professional identity development. A survey of the historical and intellectual context of counseling, contemporary professional issues, and critical thinking as applied to clinical practice.

**Course has an undergraduate equivalent*

COUN 738D Professional Seminar: Agency and Community – 1-3 hours. Attention is directed toward the nature of professional practice in various work contexts. Current professional issues, professional and personal development, ethics in research and practice, legal issues, manpower developments, and placement processes are discussed.

Change title to:

COUN 738D Professional Seminar: Masters in Counseling Psychology – 1-3 hours. Attention is directed toward the nature of professional practice in various work contexts. Current professional issues, professional and personal development, ethics in research and practice, legal issues, manpower developments, and placement processes are discussed.

COUN 739D Internship: Agency Counseling – 1-9 hours. Supervised experience in a school, college, or agency setting, supplemented by weekly seminar discussions; may be repeated. Majors in marriage and family therapy master's degree program must enroll for 9 hours toward that degree; all other majors may enroll for a maximum of 6 hours toward meeting degree requirements. Enrollment only by consent of instructor or director of training.

Change title to:

COUN 739D Internship: Masters in Counseling Psychology – 1-9 hours. Supervised experience in a school, college, or agency setting, supplemented by weekly seminar discussions; may be repeated. Majors in marriage and family therapy master's degree program must enroll

for 9 hours toward that degree; all other majors may enroll for a maximum of 6 hours toward meeting degree requirements. Enrollment only by consent of instructor or director of training.

GRADUATE PROGRAM REVISIONS

SCHOOL OF EDUCATION: Counseling

Master of Arts/Master of Science – Counseling Psychology

Approved by Graduate Council, April 2001 7-0-1

Executive Summary:

The M.S. in Counseling Psychology program is proposing a change from 48 to 60 credit hours in order to meet Indiana licensure requirements and also to fulfill the standards for the national accrediting body. The changes involve (1) changing the program from a Master of Arts or Master of Science – Counseling Psychology to Master of Science – Counseling Psychology, (2) providing a thesis option, (3) providing one new course proposal, COUN 710– Community Counseling, (4) changing the titles for three courses, COUN 534 and COUN 739D, and COUN 738D (5) and adding three existing courses, COUN 712, COUN 732, PSY 558, to bring the total hours to 60.

Rationale:

The change in program/degree title will result in less confusion for students who review our program and who utilize the information describing the program. The provision for a thesis option will be attractive for some students who are more research oriented and have a strong interest in completing a thesis as part of their degree requirements.

A new licensing law enacted by the Indiana State Legislature, Indiana Public Law # 147, provided that individuals practicing mental health counseling must be licensed as of January 1, 1999. In order for graduates of the program to be eligible for this license, the program must be revised to meet the state requirements of 60 hours of prescribed graduate work. The changes included in this proposal will bring the program in line with those requirements. As the present time graduates of the program are not eligible for license unless they complete additional post masters course work as prescribed by the law.

Competition for graduate students in recent years has increased dramatically. Students are more knowledgeable about licensure issues as well as the standards of accrediting bodies. They are more likely to attend programs which meet state licensing requirements and those based on standards of national accrediting bodies. The proposed changes allow for both licensing in Indiana and most other states and for meeting standards of the national accrediting body, Council for Accreditation of Counseling and Related Educational Programs (CACREP). By making these changes the program will be able to compete with other similar programs in Indiana and across the nation.

CURRENT CATALOG COPY

Master of Arts or Master of Science--Counseling Psychology **(48 semester hours minimum)**

The master's degree program with specialization in counseling psychology is primarily intended for persons who wish to engage in counseling in settings such as youth serving agencies, career training programs, correctional institutions, or other community counseling settings. It is designed to provide the trainee with the understanding, training, and experience necessary for entry and successful participation and development in the field. An additional purpose is to provide students with a foundation for more advanced study in the field.

Admission Requirements

Each applicant must satisfy the general criteria for admission to the School of Graduate Studies and each of the following requirements:

1. Have at least 12 semester hours in the behavioral sciences (e.g., biological basis of behavior, cognitive-affective basis of behavior, social basis of behavior, and individual differences) at the undergraduate level.
2. Have an undergraduate grade point average of 2.75 or better on a 4.00 point scale.
3. Have scores for each section of the General Tests of the Graduate Record Examinations.
4. Have a grade point average of 3.00 on all courses taken at the graduate level at all schools attended.

NOTE: Students **may** be admitted on conditional status if their overall undergraduate GPA is at least 2.25, but less than 2.75. Deficiencies to a maximum of six hours in behavioral sciences can be made up by concurrent registration in undergraduate level courses early in the program.

It should not be assumed that meeting minimal standards guarantees admission to the programs.

Degree Requirements

Research: Curriculum, Instruction, and Media Technology 610 or Educational Psychology 620 or Counseling 620--3 hrs.

Major Area: Counseling 515--3 hrs.; 533--3 hrs.; 534--3 hrs.; 628--3 hrs.; 633--3 hrs.; 634--3 hrs.; 635--3 hrs.; 666--3 hrs.; 733--3 hrs.; 738D--3 hrs.; 739D--6 hrs. (taken twice for a total of 6 hrs.), Psychology 668--3 hrs.; Educational Psychology 721--3 hrs.; Approved Specialty Course Sequence--3 hours.

Culminating Experience: Counseling 738D under "major area."

NOTE: Students seeking the Master of Arts degree will take Counseling 699--6 hrs.

In general, at least one-half of the credit hours must be in courses numbered 600 or above.

PROPOSED CATALOG COPY

Master of Science--Counseling Psychology (60 semester hours minimum; Thesis option 63-66 semester hours)

The master's degree program with specialization in counseling psychology designed to provide the highest quality training in professional counseling and mental health service delivery. Emphasis is on training for professional practice at the master's level, but the program also serves as the first step for those interested in pursuing doctoral study in counseling psychology or counselor education.

Admission Requirements

Each applicant must satisfy the general criteria for admission to the School of Graduate Studies and each of the following requirements:

1. A bachelor's degree from a regionally accredited college or university with a minimum undergraduate grade point average (GPA) OF 2.75/4.0. Students may be granted conditional admission if their overall undergraduate GPA is less than 2.75.
2. The program requires a minimum of 12 semester hours of undergraduate background in the behavioral sciences. Deficiencies to a maximum of six hours can be made up by concurrent registration in undergraduate level courses.
3. Have scores for each section of the General Tests of the Graduate Record Examinations.
4. Admissions are made on a selective basis. Completion of the requirements listed above do not guarantee admission to the program.

Degree Requirements

Research: Curriculum, Instruction, and Media Technology 610 or Educational Psychology 620 or Counseling 620--3 hrs.

Major Area: Counseling 515--3 hrs.; 533--3 hrs.; 534--3 hrs.; 628--3 hrs.; 633--3 hrs.; 634--3 hrs.; 635--3 hrs.; 666--3 hrs.; 710--3 hrs.; 712--3 hrs.; 732--3 hrs.; 733--3 hrs.; 738D--3 hrs.; 739D--6 hrs. (taken twice for a total of 6 hrs.); Psychology 558--3hrs.; Psychology 668--3 hrs.; Educational Psychology 721--3 hrs.; Approved elective--3 hours.

Culminating Experience: Counseling 738D under "major area."

NOTE: Students seeking the Master of Arts degree will take Counseling 699--6 hrs.

In general, at least one-half of the credit hours must be in courses numbered 600 or above.

CORRECTIONS

***The following is a correction of the text that appeared as an APPROVAL in the April 16, 2001 issue of *Academic Notes*. The corrected portion is shown in *[bold – italics within bold – italic brackets]*.

COURSE APPROVALS AND MODIFICATIONS FOR GE2000

The following courses have been approved for inclusion in the revised General Education program that began Fall 2000. The courses and the corresponding General Education designations began with offerings in the summer of 2000. GE89 refers to students enrolled before summer 2000. GE2000 is for students who will be enrolled in the modified program.

SCHOOL OF NURSING

NURS 108 Information Technology Literacy for Healthcare – 3 hours. ITL – H serves as an introduction to the use of computers and the use of information in healthcare. Students will learn basic skills of how to use computer applications and networks at ISU and how to retrieve, evaluate, and present information. Three classroom hours per week. General Education Credits *[[GE2000]: Information Technology Literacy]*