

ACC 360 Accounting Cooperative Education/Internship Credit 3
 Co-ops and internships are on-the-job paid experiences in the area of accounting in business or government that serve as a laboratory for integrating the theoretical with practical experiences. Co-ops are for six months duration and worth up to 6 credits, whereas internships are for summer employment and worth up to 3 credits. Students may arrange for co-ops or internships in their junior and senior year. Prerequisite: ACC 204 and permission of the department chairperson.

21154(30) 6 week Session 06/13 – 07/21/23 TBA TBA TBA

ARC 305 International Urban Travel Studio VII Credit 3
 An internationally based experience in design, theory, and the history of architecture and urbanism. Topics include theories of urban form, design in the historical context, architectural histories particular to location, the relation of architecture and urbanism to the social and cultural setting, and freehand drawing and sketching. Prerequisites: ARC 101, 102, 200, 201, 202, 203, 204, 207, 208, 213, 303, 317 and MAT, 118, PHY 201.

21325(30) Session 1 05/30 – 06/23/23 TBA TBA TBA
21326(31) Session 1 05/30 – 06/23/23 TBA TBA TBA

ARC 306 International Urban Travel Design Studio VIII Credit 3
 Urban design studio for a project studied while traveling. Students will work in collaboration to develop a proposal for a quarter of a city visited in ARC 305. Prerequisites: ARC 101, 102, 200, 201, 202, 203, 204, 207, 208, 213, and 303; MAT 118; PHY 201.

21333(30) 6 week Session (Canada) 06/13 – 07/21/23 TBA TBA TBA

ARC 309 Structures 1 Credit 3
 A fundamental introduction to statics and strengths of material elements in architectural scenarios. Prerequisites: MAT 118 and PHY 2.

21420(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

ARC 310 Structures 11 Credit 3
 An applied study of natural and engineered wood products in framing systems for buildings (beams, columns, trusses and connections). Prerequisite: ARC 309, MAT 118 and PHY 201.

21479(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

ARC 414 Structures 111 Credit 3
 An applied study of steel and reinforced concrete behavior in structural applications for buildings. The influence of wind and seismic activity are examined and regulated applications from building codes. Prerequisites: ARC 213, 309, 310, 314, 315 and MAT 118, PHY 201.

21417(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

BIO 101 Nature of Life Credit 3
 A non-major course in biology wherein fundamental processes and mechanics of living things are discussed within the framework of a unified theory of life. Special emphasis will be given to topical themes that relate biological principles to contemporary issues in science, technology and society. Prerequisites: None.

21457(30) Session 1 05/30 – 06/23/23 M T W R F 10:00 -11:50 DU 314

BIO 105 Introduction to Biology 1 Credit 4
 A two-semester course that will introduce students to principles of organic evolution, molecular biology, cell structure and function, genetics, reproduction and development; the role of evolution in structuring the diversity of life, common and diverse solutions to the problems of survival, the interactions between individuals, populations and the environment.

21356(30) 6 week Session 06/13 - 07/21/23 M T W R 10:00 - 11:50 DU 109
21357(79) Lab) 6 week Session 06/13 - 07/21/23 M W 1:00 - 2:50 DU 311

BIO 505 Research Problems Credit 1– 6
 Designed primarily for senior level undergraduate and first-year graduate students. Emphasis will be placed upon laboratory-oriented studies and projects. Prerequisite: Consent of the Department Chair

21435(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

BIO 650 Research Topics in Biology Credit 3 - 6
 Emphasis upon materials, techniques, and subject-matter content that may form the basis for a thesis problem. Prerequisite: Consent of department chairperson.

21458(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

CDS 426 Supervised Experience in Speech Pathology and Audiology 11 Credit 4
 Experience in schools and clinics with emphasis on recognition, diagnosis and treatment of speech in diverse populations. Emphasis on report writing and sensitivity to cultural differences across caseloads. Students must accumulate supervised clock hours while demonstrating application of professional practices. Prerequisite: CDS 315 and 316.

21464(30) 6 week Session 06/13 - 07/21/23 M T W R F 8:00 - 11:50 ST 321

CDS 618 Advanced Clinical Practicum Credit 1-3
 Supervised experience in schools, clinics and hospitals, with emphasis on screening, diagnosis, and treatment of speech, language, voice and fluency disorders. Course work involves the study of theories, principles and approaches used in diagnosis /remediation of communication disorders and applications of research techniques in speech / language therapy.

21173(30) 6 week Session 06/13 - 07/21/23 M T W R F 8:00 - 1:50 ST 321

21465(31) 6 week Session 06/13 - 07/21/23 M T W R F 8:00 - 1:50 ST 321

CDS 622 Family Intervention Strategies in Communication Disorders Credit 3
 Study of principles, theories and approaches to intervention with the communication disordered and their families. Students must participate in a supervised experience in counseling with parents/family members.

21174(30) 6 week Session 06/13 - 07/21/23 M W 2:00 - 4:50 ST 214

CDS 625 Motor Speech Disorders Credit 3
 Course content will include a thorough study of the motor system, its components, its structure and its function. An intense evaluation of dysarthria and apraxia of speech, their etiologies, evaluation and specific treatment recommendations will be discussed. Management strategies for patients/clients of various ages from diverse backgrounds with diverse etiologies and characteristics will be reviewed, demonstrated and evaluated. Prerequisites: CDS 224, 227, 228, 300, 305, 310, 331, 431, and 438.

21221(30) 6 week Session 06/13 - 07/21/23 T R 2:00 - 4:50 ST 214

21377(31) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

CDS 702 Graduate Comprehensive Credit 1
 This credit will not count towards the degree. Prerequisites: Must have completed all course work for program of study, research project, and 350 supervised clock hours of clinical practicum.

21175(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

CHE 114 Introduction Research Topics in Chemistry Credit 1 - 3
 Designed for freshman level undergraduates. Emphasis will be placed upon introduction to areas of chemistry research, regular attendance at appropriate seminars, techniques of literature searches, and background study. This course may be taken twice. Prerequisite: Consent of the department chairperson.

21397(30) Pre-College Session 06/20 - 07/21/23 TBA TBA TBA

CHE 201 General Chemistry/Qualitative Analysis 1 Credit 4
 Detailed consideration of compounds, chemical equilibrium, and elementary qualitative analysis. This course serves as a prerequisite course for all subsequent chemistry courses. Prerequisite: A grade of "C" or better is required in CHE 201 before enrolling in CHE 202. Corequisite: MAT 118.

21398(31) Pre-College Session 06/20 - 07/21/23 M T W R F 10:00-11:50 DU 110

21399(80) Lab 06/20 - 07/21/23 TBA TBA TBA

COM 103 Oral Communication**Credit 3**

A one-semester laboratory in oral communications integrated with the freshman communications program. Emphasis on principles of reasons, arrangement of ideas, establishment of personal style, discovery of material and investigation of various techniques of expression. Presentation of carefully prepared classroom assignments. Passing grade of C.

21171(36)	6 week Session	06/13 - 07/21/23	M T W R F	8:00 -9:15	AR 235
21172(38)	6 week Session	06/13 - 07/21/23	M T W R F	11:00-12:15	AR 220
21169(30)	Pre-College	06/20 - 07/21/23	M T W R F	1:00 - 2:45	AR 221
21170(31)	Pre-College	06/20 - 07/21/23	M T W R F	10:00-11:45	AR 221
21314(35)	Pre-College	06/20 - 07/21/23	M T W R F	8:00 - 9:45	AR 241
21315(37)	Pre-College	06/20 - 07/21/23	M T W R F	10:00-11:45	AR 241
21267(39)	Pre-College	06/20 - 07/21/23	M T W R F	1:00 – 2:45	AR 236

COU 602 Abnormal Behavior & Psychopathology**Credit 3**

An introductory study of principles of mental health, including prevention, intervention, consultation, education, and advocacy. Discussion of causes and processes in the development and treatment of mental disorders. Specific principles and models of biopsychosocial assessments, case conceptualization, and theories of human development and concepts of psychopathology leading to diagnoses and appropriate treatment plans will be discussed. Basic classifications, indications, and contraindications of psychopharmacological medications will be discussed.

21365(30)	6 week Session	06/13 - 07/21/23	TBA	TBA	TBA
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COU 603 Counseling with Diverse Populations**Credit 3**

Addresses the effects of racism, sexism, power, privilege, culture, age, religion, disability, and ethnicity on personality development and behavior with implications for seeking clinical mental health counseling. Discusses multicultural and pluralistic trends to include attitudes, beliefs, understandings, and acculturative experiences to include spirituality. Counselors' roles in social justice, advocacy and conflict resolution, cultural self-awareness, the nature of biases, prejudices, processes of intentional and unintentional oppression and discrimination, and other culturally supported behaviors that are detrimental to the growth of the human spirit, mind, or body will be discussed.

21372(30)	Session 111	06/26 – 07/21/23	TBA	TBA	TBA
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COU 610 Ethics & Legal Aspects of Counseling (Graduate)**Credit 3**

Provides an overview of the history and philosophy of the counseling profession, including significant events, professional roles, professional organizations and credentialing, advocacy, and ethical and legal standards. Provides an understanding of counseling and consultation processes to include characteristics and behaviors to influence helping processes, introduction to counseling theories and system perspectives along with legal perspectives. Counseling supervision models, practices and processes will be introduced and discussed. Discusses the integration of technological strategies and applications within counseling and consultation process. Examines current system of intervention and engages students in analysis from the perspective of its usefulness to counseling. This course will include reflective exercises for self-assessment, experiential experiences with counselors, and a growth model for professional development.

21217(30)	Session 1	05/30 – 06/23/23	T R	4:00 – 6:50	PH 207
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COU 614 Community Mental Health and Welfare Services (Graduate)**Credit 3**

Introduction of professionals to community social welfare and other agencies (private and public) functioning in the areas of family service, public and private assistance, mental hygiene, protective and correctional care, pastoral care, and health services. Application of research and program evaluation will be discussed. Course will focus on visiting and experiencing these diverse functions.

21243(30)	Session 1	05/30 – 06/23/23	M W	4:00 – 6:50	PH 208
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COU 618 Counseling Practicum**Credit 3**

Students must complete supervised practicum experiences that total a minimum of 100 clock hours. The practicum provides for the development of counseling skills under supervision. This practicum includes direct service with clients both in individual counseling and group work. Weekly interaction that averages one hour per week of individual and/or triadic supervision by a program faculty, a student supervisor, or a site supervisor who is working in biweekly consultation

with a program faculty member. Audio/ video recordings or live supervision of the student's interaction with clients must be conducted. A formal evaluation will be conducted. Classes will be limited to approximately 12 students. Specific ethical and legal standards will be discussed. This course may be taught in conjunction with internship courses. Prerequisite: COU 619.

21332(30) 10 week Session 05/22 – 07/28/23 TBA TBA TBA

COU 620 Marriage and Family Counseling (Graduate) Credit 3

A course in which the theories and techniques of marriage and family counseling are studied and the techniques are practiced. Provides an overview of the history of marital, couple, and family counseling/therapy. A systems perspective that provides an understanding of family and other systems theories and major models of family and related interventions will be introduced. Implications of family, social networks, and community systems in the treatment of mental and emotional disorders will be discussed.

21258(30) Session 1 05/30 – 06/23/23 M W 7:00 – 9:45 PH 208

COU 624 Theories of Learning, Personality and Temperament (Graduate) Credit 3

Evaluation of major learning, personality, and temperament developmental theories across the lifespan, cultures, ethnicities, race, socioeconomic status, and gender. Specific focus will be given to environmental factors influence on development and their influences on developmental outcomes such as behavior problems and cognitive development. Strategies for facilitating optimum development will be discussed.

21259(30) Session 1 05/30 – 06/23/23 T R 7:00 – 9:45 PH 208

COU 626 Crisis Intervention & Grief Counseling Credit 3

An overview of issues relating to crisis situations to include initial interventions through grief counseling. The course will discuss assessing and reacting to various crises involving suicide, homicide, intimate partner violence, sexual assault/abuse, bereavement / grief, substance abuse, natural disasters, war, and terrorism. Roles and responsibilities as a member of an interdisciplinary management response team will be discussed. Ethical issues will be discussed.

21366(30) 6 week Session 06/13 – 07/21/23 TBA TBA TBA

COU 631 Foundations of School Counseling, Ethics and Techniques Credit 3

History, philosophy, and current trends in school counseling and educational systems. Role, function, and professional identity of the school counselor in relation to the roles of other professional and support personnel in the school will be discussed. Effects of a typical growth and development, health and wellness, language, ability level, multicultural issues, sexual orientation, and factors of resiliency on student learning and development will be discussed. Models of school counseling programs will be discussed. Critical analysis of techniques that are applicable to the school setting will be investigated. Research, program evaluation, outcome assessment specific to the school setting will be discuss. Ethical and legal considerations related specifically to the practice of school counseling will be discussed.

21206(30) Session 1 05/30 – 06/23/23 M W 4:00 – 6:45 PH 211

COU 633 Contextual Dimensions of School Counseling Credit 3

Advocacy for all students and for effective school counseling programs will be discuss. Coordination, collaboration, referral, and team-building efforts with all involved participants to promote and facilitate successful student development. Develop knowledge and understanding of community and institutional opportunities that enhance, as well as barriers that impede student academic, career, and personal/social success. The course will discuss assessing and reacting to various crises involving suicide, homicide, intimate partner violence, sexual assault/abuse, bereavement/grief, substance abuse, natural disasters, war, and terrorism. Counseling techniques and advocacy programs will be discussed.

21219(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

COU 635 Schl Counseling Classroom Mgt, Curriculum Design & Lesson Plan Development Credit 3

Design of the curriculum, development of lesson plans, and differentiated instructional strategies will be discuss along with the principles of curriculum construction and their significance to curriculum planners. The relationship of the school counseling program to the academic mission of the school will also be discuss. Students will select and apply a model of curriculum evaluation. Effective classroom management strategies will be discuss, demonstrated and practiced with an

emphasis on designing, implementing and evaluating strategies. Conscious discipline and differentiated instructional strategies will be discuss along with preventive, supportive and corrective discipline. The course addresses diverse approach based upon behavioral, cognitive, affective, social and ecological theory and practice. Students will be expected to develop their own personal system of discipline.

21317(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

COU 641 College Student Development, Ethics, and Techniques Credit 3

Development, management and provision of personnel counseling services facilitating the growth and development of students during their college experience. Topics will include history and philosophy of student affairs; the purpose and function of student affairs in higher education; historical and contemporary theories of student affairs; characteristics of traditional and nontraditional students; and methods of needs analysis that are applicable to college student populations. Multicultural issues along with ethical and legal considerations will be discuss. Emergency management plans and crises will be discuss. Experiential focus will be provided.

21260(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

COU 642 Student Affairs Program Credit 3

Theories and models of organizational behavior along with leadership and approaches to organizational change will be discuss. Development of student leaders and procedures for promoting positive interpersonal relationships will be discuss. Discussion and development of models for designing, managing, and evaluating student affairs programs, including the use of technological applications and systematic assessment techniques that can be use in a higher education environment. Multicultural issues along with ethical and legal considerations will be discuss. Experiential focus will be provided.

21241(30) Session 1 05/30 – 06/23/23 M W 7:00 – 9:45 PH 207

COU 649 College Student Development Internship Graduate Credit 1-6

Student must complete a supervised internship of 600 clock hours that will only begin after completion of the required practicum. The internship will be for various credits during the semester to equal 100 clock hours for each credit. The number of credits must be approved and may be altered by academic advisor or Coordinator of the Graduate Program in Counseling. This internship will include a minimum of 240 clock hours of direct service with clients with supervision at an approved site. A formal evaluation will be performed. Classes will be limited to approximately six students. Specific ethical and legal standards will be discussed. This course may be taught in conjunction with practicum and/or internship courses. This is a pass/fail course.

21367(30) 10 week Session 05/22 – 7/28/23 W 4:00 - 6:45pm TBA

COU 659 Community Counseling Internship (Graduate) Credit 3

Student must complete a supervised internship of 600 clock hours that will only begin after completion of the required practicum. The internship will be for various credits during the semester to equal 100 clock hours for each credit. The number of credits must be approved and may be altered by academic advisor or Coordinator of the Graduate Program in Counseling. This internship will include a minimum of 240 clock hours of direct service with clients with supervision at an approved site. This internship will include the opportunity to develop program appropriate audio and/or videotapes of students' interactions with clients for use in supervision. A formal evaluation will be performed. Classes will be limited to approximately five students. Specific ethical and legal standards will be discussed. This is a pass/fail course. Prerequisite: COU 618.

21329(30) 10 week Session 05/22 – 07/28/23 TBA TBA TBA

COU 661 Integrative Issues in Spiritual Counseling (Graduate) Credit 3

Provides an overview of how the helping profession within a spiritual foundation can aid in the healing of individuals, families, and our communities and neighborhoods. A focus will be provided on application of existential and biblical principles to psychological theories and counseling methodologies.

21319(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

COU 662 Spiritual Direction (Graduate) Credit 3

Introduction to the ministry of spiritual direction: nature of spiritual direction; preparation and role of spiritual director, relationship of spiritual direction to counseling, and current issues in spiritual direction. Formulation of personal approach to spiritual direction. Lecture will include personal experience format.

21318(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

COU 664 Community Mental Health Internship Credit 3

Student must complete a supervised internship of 300 clock hours that will only begin after completion of the required community agency internship. This internship will include a minimum of 120 clock hours of direct service with clients with supervision at an approved site. A formal evaluation will be performed. Classes will be limited to approximately five students. Specific ethical and legal standards will be discussed. This course may be taught in conjunction with practicum and/or internship courses. This is a pass/fail course. Prerequisite: COU 659.

21330(30) 10 week Session 05/22 – 07/28/23 TBA TBA TBA

COU 698 Counseling Internship Credit 3

Student must complete a supervised internship of 300 clock hours that will only begin after completion of the required practicum. This internship course will be used as an addendum to other Internship courses to allow the student flexibility in attaining the required 600 clock hours and the 6 semester hour credits. The number of credits must be approved and may be altered by academic advisor or Coordinator of the Graduate Program in Counseling. The overall internship will include a minimum of 240 clock hours of direct service with clients with supervision at an approved site. The overall internship will include the opportunity to develop program appropriate audio and/or videotapes of students' interactions with clients for use in supervision. A formal evaluation will be performed. Classes will be limited to approximately five students. Specific ethical and legal standards will be discussed. This course may be taught in conjunction with practicum and /or internship courses. This is a pass/fail course. Prerequisite: COU 618.

21331(30) 10 week Session 05/22 – 07/28/23 W 4:00 - 6:45pm TBA

COU 672 Addiction Counseling Credit 3

Roles and settings of addiction counselors especially with special populations to include adolescents, women, ethnic groups and the elderly will be discussed. Risk factors, co-occurring disorders, and education programs will be discussed. A focus will be provided on classifications, indications, and contraindications of commonly prescribed psychopharmacological medications for referrals and consultation. Professional organizations, preparation standards, and credentials relevant to the practice of addiction counseling will be identified.

21320(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

COU 675 Addiction Counseling Internship Graduate Credit 3

Students must complete a supervised internship of 300 clock hours that will only begin after completion of the required addiction counseling practicum. This internship will include a minimum of 120 clock hours of direct service with clients with supervision at an approved site. A formal evaluation will be performed. Classes will be limited to approximately six students. Specific ethical and legal standards will be discussed. This course may be taught in conjunction with internship courses. This is a pass/fail course.

21362(30) 6 week Session 06/13 – 07/21/23 TBA TBA TBA

COU 702 Master's Comprehensive Exam Credit 1

This examination is "pass/fail."

21306(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

COU 710 Ethics and Legal Aspects of Counseling Credit 3

Provides an overview of the history and philosophy of the counseling profession, including significant and events, professional roles, professional organizations and credentialing, advocacy, and ethical and legal standards. Provides an understanding of counseling and consultation processes to include characteristics and behaviors to influence helping processes, introduction to counseling theories and system perspectives along with legal perspectives. Counseling supervision models, practices and processes will be introduced and discussed. Discusses the integration of technological strategies and applications within counseling and consultation processes. Examines current system of intervention and engages students in analysis from the perspective of its usefulness to counseling. This course will include reflective exercises for self-assessment, experiential experiences with counselors, and a growth model for professional development.

21302(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

COU 722 Advanced Counseling Theory and Technique Credit 3

Foundations of mental health counseling will be discussed to include ethical and legal considerations (AMHCA Code of Ethics). Critical review of theories and practice of the techniques and principles of counseling will be conducted. Career

development, group work, crisis/disaster response, systems and consultation will be discussed. Evaluation of counseling effectiveness will be discussed.

21363(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

COU 801 Counseling Leadership and Advocacy Credit 3

Theories, skills, and models of counseling leadership and advocacy will be discussed. Multicultural issues as they relate to social change theories, and current topical and political issues in counseling will be discussed.

21303(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

COU 823 Theories of Counseling Education Credit 3

Topics will include theories and practice of instructional theory and methods relevant to counselor education. Pedagogy relevant to current social to cultural issues will be discussed.

21369(30) 10 week Session 05/22 – 07/28/23 TBA TBA TBA

CRJ 333 Race, Class and Crime in America Credit 3

Analysis of the politics of racism and classism in the United States through the examination of major court decisions and of legislations affecting minority groups. Treatment of racial minority groups in the criminal and civil justice systems, and by courts, police and prisons will be included. Examines the controversies between race, class and crime in America, and discusses the competing definitions of race, class, crime and violence. The course investigates the legacy of slavery and the impact of restrictive immigration laws.

21454(30) Session 1 05/30 – 06/23/23 M T W R F 8:00 – 9:50 MK 129

CSC 100 Problem Solving in Computer Science Credit 3

Explores the role of software, software paradigms, and software systems. Emphasis on specification and analysis of problems, designing solutions to problems, and the testing of problem solutions. Introduces fundamental concepts of computer organization and operation. Examines hardware (processor, keyboard, disk drives, and printers), operating systems, and editors.

21335(33) Pre-College 06/20 - 07/21/23 M T W R F 1:00 - 2:45 ST 126

CSC 120 Introduction to Computers Credit 3

This course helps the student understand how computers can be used to enhance his or her personal, academic or professional life. A hands-on approach is used to introduce students to various software packages for word processing, spreadsheet applications, and database management. **(Need approval from the Chair to take this class).**

21238 (EK) 8 week Session 05/30- 07/21/23 TBA TBA TBA

CSC 120 Introduction to Computers Credit 3

This course helps the student understand how computers can be used to enhance his or her personal, academic or professional life. A hands-on approach is used to introduce students to various software packages for word processing, spreadsheet applications, and database management.

21161(34) 6 week Session 06/13 - 07/21/23 M T W R F 11:00-12:15 ST 103

21353(35) 6 week Session 06/13 - 07/21/23 M T W R F 2:00- 3:15 ST 103

CSC 300 Co-op Work-Study Credit 3- 6

Employment or training program in government or industry in which student makes significant use of computer science skills. Prerequisites CSC 205, 252, and permission of department chairperson.

21162(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

21427(31) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

CSC 700 Thesis Registration Credit 1

21163(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

CSC 702 Master Comprehensive Exam Credit 1

This credit will not count towards the degree. Graded S/U only.

21334(30) Session 1 05/30 – 06/23/23 TBA TBA TBA

ECO 201 Principles of Economics (Macro) Credit 3
 A first course on modern market economies. Emphasizes the determination of national income, fluctuations, and growth; the monetary system; the problems of inflation and unemployment; and international trade
21467(30) 6 week Session 06/13 - 07/21/23 M T W R F 11:00-12:15 BU 207

ECO 202 Principles of Economics (Micro) Credit 3
 Second principles course on basic tools of market and price theory and their applications to the operations of firms, the consumption and work choices of individuals.
21468(30) 6 week Session 06/13 - 07/21/23 M T W R F 2:00-3:15 BU 207

EDU 295 Learning to Learn Credit 3
 Designed to enhance student skills in generating questions, reading for comprehension, scheduling course work, developing strategies for studying for examinations, writing to answer questions, and writing term papers.
21195(30) Pre-College 06/20 - 07/21/23 M T W R F 1:00 - 2:45 MK 113

EGR 101 Introduction to Engineering Credit 2
 An introduction to professions in engineering. Exposure to fundamental engineering concepts, decision making, and problem solving techniques. Discussion of units and dimensions. Introduction to data presentation and error analysis. Solution of simple engineering problems. Prerequisite: MAT 117.
21364(30) Pre-College 06/20 - 07/21/23 M T W R F 10:00 - 11:45 OL 128

EGR 191 Introduction Research Topic in Engineering Credit 1-2
 Designed for freshman level undergraduates. Emphasis will be placed upon introduction to areas of engineering research, regular attendance at appropriate seminars, techniques of literature searches, and background study. This course may be taken twice. Prerequisite: Consent of the department chairman.
21466(30) Pre-College 06/20 - 07/21/23 TBA TBA TBA

ENG 100 Fundamental Writing Credit 3
 A one semester course specifically designed for those students who before proceeding to ENG 101 could benefit from a concentrated review of grammar, mechanics, sentence structure, usage, and the development of fundamental writing skills. These students are placed and/or other available data. Offered on an S/U basis, this course does not count toward the English requirement of general education. Before enrolling in ENG 101, students must pass ENG 100 at the "S" level.
21291(33) Pre-College 06/20 - 07/21/23 M T W T R 10:00 - 11:45 AR 235

ENG 101 Written Communication I Credit 3
 Introductory sequence in composition, contributing to the liberal education of students, regardless of their majors. Approaches writing as a process & provides experience in writing with various aims and rhetorical strategies. ENG 101 emphasizes the expressive and expository aims. ENG 102, focusing upon the persuasive and literary aims, includes the development of a research paper. Prerequisites: Satisfactory completion ("S") of ENG 100 (for those placed in this course) is a pre-requisite for ENG 101; satisfactory completion of ENG 101 ("C" or better) is a prerequisite for ENG 102.
21214(30) Pre-College 06/20 - 07/21/23 M T W R F 8:00 - 9:45 AR 220
21176(31) Pre-College 06/20 - 07/21/23 M T W R F 10:00 - 11:45 AR 115
21199(33) Pre-College 06/20 - 07/21/23 M T W R F 1:00 - 2:45 AR 214A
21177(36) Pre-College 06/20 - 07/21/23 M T W R F 8:00 - 9:45 AR 214A
21266(38) Pre-College 06/20 - 07/21/23 M T W T F 1:00 - 2:45 AR 220
21178(39) Pre-College 06/20 - 07/21/23 M T W R F 10:00 - 11:45 AR 338
21179(41) Pre-College 06/20 - 07/21/23 M T W R F 1:00 - 2:45 AR 235
21180(42) Pre-College 06/20 - 07/21/23 M T W R F 10:00 - 11:45 AR 236
21204(45) Pre-College 06/20 - 07/21/23 M T W R F 3:00 - 4:45 AR 214A

ENG 102 Written Communication II (Honors College Students Only) Credit 3
 An introductory sequence in composition, approaching writing as a process providing students with experience in writing with various aims and rhetorical strategies. Focusing upon the persuasive and literary aims, ENG 102 includes the development of a research paper. Passing grade for Written Communications is "C".
21181 (H30) Pre-College 06/20 - 07/21/23 M T W R F 1:00 - 2:45 AR 115

21311 (H31)	Pre-College	06/20 - 07/21/23	M T W R F	3:00 - 4:45	AR 221
21370 (H32)	Pre-College	06/20 - 07/21/23	M T W R F	8:00 - 9:45	AR 115

ETR 435 Internship in Entrepreneurial Credit 3
 Structured and intensive experiences with executive mentors intended to inculcate decision making and risk management skills. The internship experience and executive mentors must be preapproved. The student and mentor will collaborate with a faculty advisor during the period of internship. Prerequisite: ETR 210.

21428(30)	6 week Session	06/13 – 07/21/23	TBA	TBA	TBA
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FIN 360 Finance Coop Edu / Internship Credit 3-9
 Co-ops and internships are on-the-job experiences in the area of finance in business or government to serve as a laboratory for integrating the theoretical with practical experiences. Co-ops are for a six-month duration and worth up to 9 credits, whereas internships are for summer employment and worth up to 3 credits. Students may arrange for coops or internships in their junior and senior years. Pre-requisites: **Permission of the department chair.**

21210(30)	6 week Session	06/13 – 07/21/23	TBA	TBA	TBA
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HEA 200 Health Education Credit 2
 Designed to help the student to understand himself/herself as a human organism; to become familiar with various influences that affect health; to coordinate experiences for more effective understanding of healthful living in the world of today; and to aid himself/herself in solving personal health problems. Fall and spring semesters

21455(30)	Session 1	05/30 – 06/23/23	M T W R	8:30 -10:50	HO 164
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HEA 211 First Aid, CPR and Safety Credit 3
 Designed to provide background in the areas of First Aid, Cardiopulmonary resuscitation and basic concepts of safety. National Safety Council Standard First Aid and Cardiopulmonary Resuscitation certificates will be awarded upon successful completion of the course.

21166(30)	Session 1	05/30 - 06/23/23	M T W R F	10:00-11:50	HO 163
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HIS 106 World Civilization II Credit 3
 A lecture course that survey the period from the French Revolution to the present. Emphasizes economic, religious, intellectual, social (gender, race, age etc.) political and military history.

21209(34)	Pre-College	06/20 - 07/21/23	M T W R F	8:00-9:45	MK 128
21262(35)	Pre-College	06/20 - 07/21/23	M T W R F	8:00-9:45	MK 117
21263(36)	Pre-College	06/20 –07/21/23	M T W R F	10:00-11:45	MK 117
21207(37)	Pre-College	06/20 - 07/21/23	M T W R F	10:00-11:45	MK 113

HIS 107 Survey of African American History Credit 3
 A survey of Black experiences in the Americas from 1500 to the present. Includes material about peoples and institutions of pre-colonial Africa and the Atlantic slave trade.

21281(32)	Pre-College	06/20 - 07/21/23	M T W R F	1:00-2:45	MK 101
21371(33)	Pre-College	06/20 – 07/21/23	M T W R F	1:00-2:45	MK 129

HUM 201 Humanities I Credit 3
 The first of a required two-semester interdisciplinary course that is organized around a theme, Enduring Human Values and Cultural Connections, and presented in a team-teaching context. The course introduces sophomore students to western and non-western cultural legacies through the study of works of art, music and literature from Antiquity through the Renaissance.

21381(31)	Pre-College	06/20 –07/21/23	M T W R F	1:00 – 2:45	DU 109
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HUM 202 Humanities II Credit 3
 The first of a required two-semester interdisciplinary course that is organized around a theme, Enduring Human Values and Cultural Connections, and presented in a team-teaching context. The course introduces sophomore students to western and non-western cultural legacies through the study of works of art, music and literature from the late Sixteenth Century through the Twentieth Century.

21165(30)	6 week Session	06/13 - 07/21/23	M T W R F	12:30 –1:45	TU 140
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JAC 105 Grammar and AP Style**Credit 3**

This course provides students with a fundamentally sound understanding of grammar usage and sentence structure, enabling them to write with clarity, sophistication and an appreciation for the guiding principles of media writing indicative of professionals in the field. This course will use the Electronic Grammar Usage Mechanics Proficiency Program (EGUMPP) modules, a web-based solution that uses a building-block approach to present and teach the lesson concepts. The lesson concepts will be applied through practical, interactive exercises that promote authentic learning and genuine understanding for teaching English grammar, usage, punctuation, and writing mechanics. Students also will receive instruction in using the Associated Press Stylebook, a newspaper industry standard guide for grammar, punctuation, principles and practices of reporting used by broadcasters, magazines, digital media companies and public relations firms. Required of all majors and minors.

21437(30) Pre-College 06/20 – 07/21/23 M T W R F 10:00 - 11:45 SH 238

JAC 460 Independent Study in Journalism & Comm**Credit 1- 3**

This course is designed to meet the needs of the journalism and communications student who wishes to conduct independent research, develop a special academic project or fulfill other department requirements outside of the usual class structure. Prerequisites: Approval of a faculty sponsor to oversee the independent study. Students cannot apply more than six credit hours in independent study toward graduation requirements. **Need Permission of Instructor.**

21212(30) Session 111 06/26 - 07/21/23 TBA TBA TBA

MAT 100 Elementary Algebra**Credit 3**

For students whose background and placement indicate a need for basic work. This course does not carry credit toward any degree at the University. Concepts to be covered include arithmetic review, linear equations and inequalities, polynomials, rational expressions and graphing. Entry level skills for MAT 109.

21287(30) Pre-College 06/20 – 07/21/23 M T W R F 8:00-9:45 DU 109

MAT 105 Intermediate Algebra**Credit 3**

Review of fundamental operations, algebraic fractions, ratio, proportion & variation, exponents and radicals, inequalities, relations and functions, quadratic equations. \$2.00 Fee.

21271(31) Pre-College 06/20 - 07/21/23 M T W R F 8:00- 9:45 ST 320
21385(33) Pre-College 06/20 – 07/21/23 M T W R F 10:00-11:45 ST 105
21386(34) Pre-College 06/20 - 07/21/23 M T W R F 3:00- 4:45 ST 105
21257(48) Pre-College 06/20 - 07/21/23 M T W R F 10:00- 11:45 DU 314

MAT 109 College Math I**Credit 3**

Sets and simple logic. Solving linear, rational and quadratic equations, inequalities. Graphing linear equations and inequalities, quadratic equations. Ex-potential and logarithmic functions. Solving systems of equations. Linear programming. Prerequisite: MAT 100 or by placement.

21282(30) Pre-College 06/20 - 07/21/23 M T W R F 10:00 -11:45 ST 336
21284(35) Pre-College 06/20 - 07/21/23 M T W R F 1:00- 2:45 DU 110

MAT 110 College Math II**Credit 3**

Mathematics of finance such as interest, installment buying, mortgage. Measurement, geometry and the metric system. Elementary concepts of probability and statistics. Prerequisite: MAT 109 or by placement.

21237(30) 6 week Session 06/13 - 07/21/23 M T W R F 12:30 - 1:45 ST 105
21268(31) Pre-College 06/20 - 07/21/23 M T W R F 10:00-11:45 ST 112
21285(35) Pre-College 06/21 - 07/21/23 M T W R F 1:00 - 2:45 ST 112

MAT 117 Pre-Calculus I**Credit 3**

Functions and their graphs. Polynomial and rational functions, exponential and logarithmic functions. Systems of linear and nonlinear equations. Sequences and series. Prerequisite: MAT 105 or by placement.

21192(32) 6 week Session 06/13 - 07/21/23 M T W R F 11:00-12:15 DU 103
21239(31) Pre-College 06/20 - 07/21/23 M T W R F 10:00-11:45 ST 320
21312(35) Pre-College 06/20 - 07/21/23 M T W R F 1:00- 2:45 ST 336

MAT 118 Pre-Calculus II **Credit 3**
 Trigonometric functions and their inverses; Analytic trigonometry; Applications of trigonometry; Fundamentals of analytic geometry; Complex numbers and Polar Coordinates. Prerequisite: MAT 117 or by placement.
21368(31) Pre-College 06/20 - 07/21/23 M T W R F 1:00 - 2:45 ST 320

MAT 130 Calculus **Credit 3**
 A one-semester course for students with an option or requirement for a course in calculus. Differentiation and integration of algebraic, exponential, and logarithmic functions. Applications from business, life, and social sciences. Prerequisite: MAT II7, or by placement.
21194(31) 6 week Session 06/13 - 07/21/23 M T W R F 8:00 - 9:15 DU 110

MBA 211 Lower Division Internship **Credit 1**
 Prerequisite MBA 203; Permission of Director and Internship coordinator. Full time affiliations as an intern with a School of Business Qualified corporation or firm. ****Business Management Majors Only****
21222(31) 6 week Session 06/13 - 07/21/23 TBA TBA TBA
21379(36) 6 week Session 06/13 - 07/21/23 TBA TBA TBA
21380(39) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

MBA 511 Graduate Internship **Credit 1**
 Prerequisite: Graduate standing, permission of a director and certification by the internship office. Full-time affiliation as a graduate intern with a School of Business approved organization or corporation.
21223(31) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

MES 511 Seminar in Environmental Science **Credit 1**
 A seminar course designed to expose students to contemporary issues in environmental problems focusing on environmental restoration and waste management. Seminar presentation is required for each student. Prerequisite: Permission of department chair.
21432(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

MGT 360 Cooperative Education/Internship **Credit 3-9**
 Co-ops and internships are on-the-job experiences in the area of management in business or government to serve as a laboratory for integrating the theoretical with practical experiences. Co-ops are for six months duration and worth up to 9 credits, whereas, internships are for summer employment and worth up to 3 credits. Students may arrange for co-ops or internships in their junior and senior year. Prerequisite: Permission of the department chairperson.
21477(31) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

MGT 495 Independent Study **Credit 3**
21478(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

MKT 360 Coop /Education / Internship **Credit 3**
 Co-ops and internships are on-the-job experiences in the area of marketing in business or government to serve as a laboratory for integrating the theoretical with practical experiences. Co-ops are for a six-month duration and worth up to 9 credits, whereas internships are for summer employment and worth up to 3 credits. Students may arrange for co-ops or internships in their junior and senior years. Prerequisite: Permission of the department chairperson.
21361(30) Session 1 05/30 - 06/23/23 TBA TBA TBA

MKT 495 Independent Study / Research **Credit 3**
 An opportunity for independent study or research with guidance of faculty advisor. Prerequisites: Senior standing, consent of instructor, and approval of chairperson.
21229(31) Session 1 05/30 - 06/23/23 BA TBA TBA

NUR 215 Foundations of Nursing **Credit 4**
 This course focuses on assisting persons of all ages to meet their basic needs. Students will concentrate on concepts of the nursing process, health teaching, relationship-centered communication, ethical-legal issues and caring. The integration of concepts related to mental health, nutrition, pharmacology, and path-physiology will begin in this course. Students also

will begin the process of developing health care skills for self and others. Prerequisites: NUR 105, BIO 103, BIO 224-225 or 302-336. Co-requisite: NUR 216. Both fall and spring semesters. **For Majors Only.**

21255(30)	8 week Session	05/30 - 07/21/23	M W	9:00 - 11:50	WF 123
21277(31)	8 week Session	05/30 - 07/21/23	M W	9:00 - 11:50	WF 123

NUR 216 Foundation of Nursing: Practical Nursing Credit 4

Clinical application of the nursing process, use of therapeutic communication, health teaching and selected nursing techniques in meeting basic needs of self and others in the community. Students will be expected to actively participate in the design and implementation of a life-long, personal, self-care plan. It is expected that each student's learning experiences will be unique, integrating interests, community resources and course requirements. Co-requisite: NUR 215. Both fall and spring semesters. **For Majors Only.**

21256(30)	8 week Session	05/30 - 07/21/23	T R	7:00 - 5:00	WF O
21278(31)	8 week Session	05/30 - 07/21/23	T R	7:00 - 5:00	WF TBA
21279(32)	8 week Session	05/30 - 07/21/23	T R	7:00 - 5:00	WF TBA
21347(33)	8 week Session	05/30 - 07/21/23	T R	7:00 - 5:00	WF Lab
21348(34)	8 week Session	05/30 - 07/21/23	T R	7:00 - 5:00	WF Lab
21349(35)	8 week Session	05/30 - 07/21/23	T R	7:00 - 5:00	WF Lab
21350(36)	8 week Session	05/30 - 07/21/23	T R	7:00 - 5:00	WF Lab
21351(37)	8 week Session	05/30 - 07/21/23	T R	7:00 - 5:00	WF Lab
21352(38)	8 week Session	05/30 - 07/21/23	T R	7:00 - 5:00	WF Lab
21422(39)	8 week Session	05/30 - 07/21/23	TBA	TBA	HO 134

NUR 233 Concepts of Professional Nursing Credit 3

A transition course for licensed practical nurses which covers concepts of professional nursing theoretical rationale for basic nursing interventions, application of basic mathematical skills, formulas and fundamentals of drug therapies. Study of the past, present and emerging role of the nurse and the relationship to social changes affecting the nursing profession. Orientation to the philosophy and conceptual framework of the baccalaureate nursing curriculum. Prerequisites: State licensure as a licensed practical nurse, all pre-professional courses. Co-requisite: NUR 234. For majors only.

21453(30)	8 week Session	05/30 - 07/21/23	M W	9:00 - 11:50	W F 126
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NUR 234 Concepts of Professional Nursing: Practicum Lab Credit 3

A practicum course which provides for clinical application of the nursing concepts as a science and a process. Corequisite NUR 233. For majors only.

21452(30)	8 week Session	05/30 - 07/21/23	M W	9:00 - 11:50	W F 126
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NUR 803 Dissertation Research 111 Credit 1-6

The dissertation constitutes the final phase of the program. The preparation of the dissertation should begin early in the program and evolve from a study of family or family-related issues. Students will complete data collection, conduct data analysis, develop Chapter IV (Results), Chapter V (Discussion), and assemble the complete dissertation manuscript in preparation for review by the dissertation chair/committee. Students may enroll in this course for a maximum of three times. Extensions of exceptional circumstances **must be approved by the Department of Graduate Nursing Education.** Grade = S/U.

21402(30)	8 week Session	05/30 - 07/21/23	TBA	TBA	TBA
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PED 480 Practicum in Kinesiology I Credit 3

This course provides the student with the initial experience field placement, observations, practice and program delivery in a professional setting. Students are required to select a facility and observe and become involved in an introductory experience. Prerequisites: PED 301, PED 306, PED 427

21304(30)	6 week Session	06/13 - 07/21/23	TBA	TBA	HO 134
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PED 481 Practicum in Kinesiology II Credit 3
 This course provides the student with an advanced experience field placement, observations, practice and program delivery in a professional setting. Students are required to select a facility and observe and become involved in a professional experience. Prerequisites: PED 301, PED 306, PED 427, PED 480 (Practicum I)
21305(30) 6 week Session 06/13 – 07/21/23 TBA TBA HO 134

PED 494 Internship Athletics Administration Credit 12
 Students in this course will be assigned to schools, colleges, universities, commercial sport centers, health clubs, professional organizations and other sport management specific experiences
21456(30) 6 week Session 06/13 – 07/21/23 TBA TBA TBA

PED 499 Independent Study Credit 3
 Reading and research in approved topics under the guidance of a faculty member of the department. Course may be repeated once for credit with a change in subject matter.
21375(30) 6 week Session 06/13 – 07/21/23 TBA TBA TBA

PED 615 Advanced Marketing Applied Research and Sales Credit 3
 Students will focus on social and economic trends or governmental regulations, contemporary approaches to marketing and entrepreneurship.
21376(30) 6 week Session 06/13 – 07/21/23 TBA TBA HO 163

PED 616 Public Relations and New Media Education Credit 3
 Students will learn the art and science of establishing and promoting a favorable relationship with the public as it relates to the sport industry.
21359(30) 6 week Session 06/13 – 07/21/23 TBA TBA HO 163

PED 619 NCAA Compliance Credit 3
 Intercollegiate matters concerning the compliance of athletics programs with the bylaws set forth by the National Collegiate Athletic Association. Topics include: rules for competition, recruiting, and graduation.
21286(30) 6 week Session 06/13 – 07/21/23 W 4:00-6:45 HO 163

PED 620 Sport Governance Credit 3
 This course will focus on the power, politics, policies, power and procedures within sport organizations. State, national and international sport organizations will be compared along with the impact of sport globalization.
21358(30) 6 week Session 06/13 – 07/21/23 R 4:00 - 6:45 HO 163

PHA 372 Biopharmaceutics 1 Credit 3
 This course is designed to help students to understand physicochemical and biological factors, which affect the stability, kinetics, bioavailability and bioequivalence of drugs in dosage forms. It will also focus on the design, preparation, evaluation and use of liquid dosage forms. Calculations, metrology, and laboratory exercises are also emphasized.
21409(30) Session 1 05/30 – 06/23/23 M T W R 9:00 - 11:50 KI
21472(31) Session 111 06/26 – 07/21/23 M T W R 9:00 – 11:50 KI

PHA 374 Biopharmaceutics 1 Lab Credit 1
 This course is designed to help students to understand physicochemical and biological factors, which affect the stability, kinetics, bioavailability and bioequivalence of drugs in dosage forms. It will also focus on the design, preparation, evaluation and use of liquid dosage forms. Calculations, metrology, and laboratory exercises are also emphasized.
21410(30) Session 1 05/30 – 06/23/23 M W 1:00 - 2:50 TBA
21473(31) Session 111 06/26 – 07/21/23 M W 1:00 – 2:50 KI

PHA 399 Research Capstone Credit 1
 Capstone course designed to provide students with an opportunity to demonstrate their knowledge and apply theory to practice through a practical experience in a research environment.
21400(30) Session 111 06/26 – 07/21/23 TBA TBA TBA

PHA 434 General Pharmacology 11 **Credit 3**
 The course provides each student with basic knowledge of pathophysiology and pharmacology, organized by disease states and organ systems. This approach enables students to manage disease states, establish rational treatment and realistic outcomes, and provide parameters to monitor the progression of the disease.
21401(30) Session 11 06/26 – 07/21/23 M T W R 1:00 -3:50 KI 109A

PHA 518 Therapeutics VI **Credit 3**
 This systems-based course series will develop student knowledge and skills for therapeutic management of disease, based on application of medicinal chemistry, pharmacology, physiology, and pathophysiology concepts. The final course in this series will review selected rheumatologic, hematologic, and oncologic diseases, and discuss strategies for patient evaluation and treatment.
21412(31) Session 11 06/26 – 07/21/23 TBA TBA TBA

PHA 652 Seminar 111 **Credit 1**
 The seminar series is a three course requirement that is designed to provide students with the skills, techniques, and competencies required to successfully navigate the advanced clinical clerkship experiences. In addition, this course provides the student an opportunity and experience in preparing and presenting pharmacy related topics to colleagues and other healthcare professionals in a formalized manner. Prerequisites: Successful completion of all P-1, P-2, and P-3 courses.

21355(30)	Session 1	05/30 – 06/23/23	TBA	TBA	TBA
21408(31)	Session 1	05/30 – 06/23/23	TBA	TBA	TBA
21475(34)	Session 11	06/13 – 07/21/23	TBA	TBA	TBA
21476(35)	Session 11	06/13 – 07/21/23	TBA	TBA	TBA
21414(32)	Session 111	06/26 – 07/21/23	TBA	TBA	TBA
21415(33)	Session 111	06/26 – 07/21/23	TBA	TBA	TBA

PHA 670 Community Externship **Credit 4**
 An externship experience designed to assist the student in actively participating and experiencing the distributive functions of pharmacy in the community pharmacy practice setting. The community pharmacy practice setting experience is divided into six main areas of experience: prescription processing a compounding, over the counter products, patient counseling and education, pharmacy administration and management, pharmacy law, and team interaction / education. Prerequisite: Successful completion P1 and P2 level courses.

21245(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHA 671 Institutional Pharmacy Practice **Credit 4**
 An externship experience designed to assist the student in actively participating and experiencing the distributive functions of pharmacy in the institutional pharmacy practice setting. The institutional pharmacy practice experience is divided into six main areas of experience: drug distribution, manufacturing activities, dissemination of drug and product information, patient counseling and education, pharmacy administration and management, pharmacy law, and team interaction education. Prerequisite: Successful completion P1 and P2 level courses.

21246(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHA 674 Compounding APPE **Credit 4**
 This elective rotation is designed to enhance the basic skills of compounding. Skills that will be developed and refined in this rotation include basic and advance compounding, pharmacy math, patient counseling on unique drug formulations, determining the correct ratio of hormone product for hormone replacement therapy. This rotation might also include skills developed in a community pharmacy setting such as the ability to process and dispense medication, and patient education regarding medical conditions. Prerequisites: Successful completion of all P-3 level courses

21337(30) 10 week Session 05/22 – 07/28/23 TBA TBA TBA

PHA 675 Academic Pharmacy APPE **Credit 4**
 This elective rotation is designed to enhance the student’s awareness of a career in academia. The experience will allow the student to develop a teaching style that complements their style and strengths, and expose the student to the wide range of responsibilities associated with a didactic based academic career. The student will be given firsthand experience in the

academic responsibility of teaching, scholarship, and service to the pharmacy profession and the academic institution. Prerequisites: Successful completion of all P-3 level courses.

21338(30) 10 week Session 05/22 – 07/28/23 TBA TBA TBA

PHA 676 Managed Care APPE Credit 4

This elective rotation is designed to introduce students to the concepts in this discipline. Students will be exposed to how pharmacists play a large role in decision making for clinical policies with respect to drug utilization, including prior authorization policies, quantity limits, etc. Experience within the managed care space allows students to understand the decisions made by managed care organizations that lead to concurrent drug utilization review edits at the point of sale and beyond. Successful completion of all P-3 level courses.

21339(30) 10 week Session 05/22 – 07/28/23 TBA TBA TBA

PHA 680 Research 1 APPE Credit 4

This elective rotation is intended to provide an opportunity for Doctor of Pharmacy students to acquire experience in the various aspects of research of discovery, integration, application or teaching. The rotation is a five-week experience in which the student will participate in a collaborative research process with faculty from the department of pharmacy practice and/or pharmaceutical sciences. Given the time limit, the intent is to expose the student to techniques and behavioral skills for identifying research questions or problems, performing literature searches, defining discipline-related terminology, demonstrating the development of lab techniques, patient care or teaching skills, and reflecting on lesson learned on conducting biomedical, clinical and translational research. Prerequisite: Successful completion of all P3 level courses.

21340(30) 10 week Session 05/22 – 07/28/23 TBA TBA TBA

PHA 681 Research 11 APPE Credit 4

This elective rotation is intended to provide an opportunity for Doctor of Pharmacy students to acquire experience in the various aspects of research of discovery, integration, application or teaching. The rotation is a five-week experience in which the student will participate in a collaborative research process with faculty from the department of pharmacy practice and/or pharmaceutical sciences. Given the time limit, the intent is to expose the student to techniques and behavioral skills for identifying research questions or problems, performing literature searches, defining discipline-related terminology, demonstrating the development of lab techniques, patient care or teaching skills, and reflecting on lesson learned on conducting biomedical, clinical and translational research. Prerequisite: Successful completion of Elective Research I.

21341(30) 10 week Session 05/22 – 07/28/23 TBA TBA TBA

PHA 683 Geriatrics Credit 4

Inpatient and/or outpatient experiences in the care of the elderly. Objectives will include developing medication care plans (MCP) for patients who have diminished blood flow in face of multiple disease states, frailty of body and spirit, diminished mental capacity, diminished mobility and reduction in use of senses (e.g. sight, hearing). Attention will also be focused on developing the most economical MCP for persons with reduced or limited income. Simultaneous assignment to several inpatient facilities, home health care agencies, or home bound patients is likely. An understanding of the impact of Medicare and other insurance plans on the ability to deliver the best MCP is an objective for all assignment areas.

21247(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHA 684 Special Interests APPE Credit 4

This elective rotation is designed to expose students to additional areas of pharmacy practice of their interest. Elective opportunities are available in administration, association management, consulting, disease state management, public health, home health, nutrition, oncology, pharmaceutical industry, regulatory affairs, and toxicology. Other elective opportunities are available upon approval by the Director of Experiential Education. Prerequisites: Successful completion of all P-3 level courses.

21342(30) 10 week Session 05/22- 07/28/23 TBA TBA TBA

PHA 685 Administration/Management Credit 4

Designed to expose the student to a variety of situations related to the running of a medical-related operation, including medical profession associations. The student will be paired with an administrative level preceptor from industry, chain pharmacy, hospital pharmacy, or professional organizations. The five-week rotation may be split among as many as 3 such experiences with no less than 1 week in any specific arena.

21248(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHA 690 Internal Medicine Credit 4

The internal medicine rotation is designed to provide the student exposure and experience in comprehensive treatment of disease states of adult medicine patients being cared for in the hospital or institutionalized setting (hypertension, pneumonia, asthma, congestive heart failure, diabetes, infectious diseases, etc.) In addition, students will utilize problem-solving skills, develop therapeutic plans, monitor lab values, an access for drug interactions and adverse drug reactions. Prerequisites: Successful completion of all P-1, P-2 and P-3 courses.

21249(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHA 691 Ambulatory Care I Credit 4

The Ambulatory Care I rotation is designed to give students experience in treating patients in “out-patient” settings that are typically not acutely ill. These experiences could focus on the medication management of specific diseases (such as hypertension, diabetes, asthma, Coumadin monitoring, etc.) or general care of patients with chronic conditions. Students will utilize problem solving skills, patient medication counseling, therapeutic monitoring, as well as address interaction, side effects, and compliance issues in the care of these patients. Prerequisites: Successful completion of all P-I, P-2 and P-s courses.

21250(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHA 693 Pediatrics APPE Credit 4

The Pediatric rotation provides students with the opportunity to learn how to effectively treat medical illnesses of infant and child patients. Students will learn the different treatment options and regimens utilized in this patient population and take into consideration the different pharmacokinetic properties. Common disease states that will be seen are pneumonia, asthma, epilepsy, diabetes, sickle cell, trauma, and other common childhood diseases. Prerequisites: Successful completion of all P-I, P-2, and P-3 courses.

21251(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHA 694 Psychiatry Credit 4

The Psychiatric rotation provides students experience in treating acute as well as chronic psychiatric patients. Emphasis is on the initiation of medication, therapeutic monitoring, as well as medication stabilization and long-term treatment of psychiatric patients. Students will learn how to dose, treat, and monitor patients with mood disorders, schizophrenia, substance abuse disorders, cognitive disorders and other clinical psychiatric disorders. Prerequisites: Successful completion of all P-I, P-2, and P-3 courses.

21252(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHA 696 Elective Clerkshop 1 Credit 4

The elective rotation is designed to expose students to additional areas of pharmacy practice of their interest. Elective opportunities are available in administration, association management, consulting, disease state management, geriatrics, home health, managed care, nuclear, nutrition, oncology, pharmaceutical industry, regulatory affairs, and toxicology. Other elective opportunities are available upon approval by the Director of Experiential Education. Prerequisites: Successful completion of all P-3 level courses.

21253(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHA 697 Special Interest APPE Credit 4

This elective rotation is designed to expose students to additional areas of pharmacy practice of their interest. Elective opportunities are available in administration, association management, consulting, disease state management, public health, home health, nutrition, oncology, pharmaceutical industry, regulatory affairs, and toxicology. Other elective opportunities are available upon approval by the Director of Experiential Education. Prerequisites: Successful completion of all P-3 level courses.

21343(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHA 698 Special Interest APPE Credit 4

This elective rotation is designed to expose students to additional areas of pharmacy practice of their interest. Elective opportunities are available in administration, association management, consulting, disease state management, public health, home health, nutrition, oncology, pharmaceutical industry, regulatory affairs, and toxicology. Other elective

opportunities are available upon approval by the Director of Experiential Education. Prerequisites: Successful completion of all P-3 level courses.

21344(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHA 699 Internal Medicine II Credit 4

Designed to provide the student with an advanced level of exposure to the patient (generally institutionalized) who has an acute organic ailment requiring medical treatment or other intervention of intense or unusual nature. Specialized internal medicine areas, hematology /oncology, ICU, CCU, surgery, general oncology, infectious diseases are representative of the type and level of exposure.

21254(30) 10 week Session 05/22 - 07/28/23 TBA TBA TBA

PHS 414 Introduction to Medicinal Chemistry 1 Credit 4

Introduction to Medicinal Chemistry” (PHS 414) explores the fundamental principles that define the relationship between the chemical structure and biological action of drug molecules. A major focus of the course is the application of these chemical principles to predicting the pharmacodynamics and pharmacokinetics of drugs, with special emphasis on available drugs used to treat different types of diseases and disorders. A major focus of the course is also to study case histories of marketed and experimental drugs. Prerequisites: PHS 411 and PHS 412.

21469(30) Session 1 05/30 – 06/23/23 M T W R F 9:00 – 11:50 KI 108A
21471(31) Session 111 06/26 – 07/21/23 M T W R F 9:00 – 11:50 KI 108 A

PHS 510 Medical Immunology Credit 2

This course will discuss the function of the immune system, including mechanisms of human immune function, and the immunologic basis of oncologic and autoimmune diseases, immunodeficiency, hypersensitivities and allergic reactions. Prerequisite(s): undergraduates BIO 224 and 225 or BIO 336; PharmD majors PHA 305.

21470(30) Session 1 05/30 – 06/23/23 M T W R 9:00 – 10:50 KI 109A
21474(31) Session 111 06/26 – 07/21/23 M T W R 9:00 – 10:50 KI 109A

PHT 607 Motor Control and Learning Credit 2

This is a two-part course designed to provide students the opportunity to learn topics in movement sciences throughout lifespan. The first part will emphasize basic theoretical concepts and principles of motor development, control, and learning to set for the foundation for application. The second part will emphasize application and discussions of the contemporary knowledge of motor control and learning to individuals with movement dysfunctions. This course will also introduce effective motor re-learning strategies for physical therapy intervention. Prerequisites: courses in curriculum sequence.

21225(30) 8 week Session 05/30 – 07/21/23 TBA TBA PH 213A

PHT 615 Case Management Lab I Credit 1

This is the first of four courses designed for students to develop problem solving & critical thinking skills while working in small groups with student centered learning. In this first course, students will be given simple cases involving real patients or simulated cases with a discrete musculoskeletal problem (joint limitation and pain) as a result of a common disease process or injury in young adults, & the mature adult of various socioeconomic & cultural backgrounds. Students are encouraged to work collaboratively to identify & practice the steps of clinical decision making according to the patient/client management model. For each case, the student is expected to identify the pathology, the impairments resulting from the pathology, the related functional limitations & the resulting disability, before establishing functional goals & a plan for intervention. A formal oral & written presentation of the case will be expected at the end of the course for each group. In this course, students are also introduced to reflective evaluation using self-assessment & peer assessment after each group meeting & after the formal oral presentation. Prerequisites: courses in curriculum sequence.

21230(30) 8 week Session 05/30 – 07/21/23 TBA TBA PH 213A

PHT 625 PT Seminar II Credit 1

This course has a major emphasis on the analysis of the physical therapist relationship with patients / clients, family and community. Investigation through specific readings in the psychology of disability and the socio-economic and cultural impacts on optimizing function for individuals with disability. Prerequisites: courses in curriculum sequence.

21226(30) 8 week Session 05/30 – 07/21/23 TBA TBA PH 213A

PHT 630 Prosthetics and Orthotics Credit 3

In this course students will learn to apply their knowledge of kinesiology, pathology and client management model to the care of individuals requiring prosthetic and orthotic devices. This course will also emphasize preventive foot care, pre and post-surgical physical therapy interventions and functional rehabilitation of individuals with congenital, traumatic and circulatory conditions requiring prosthetic or orthotics devices. Prerequisites: courses in curriculum sequence.

21231(30) 8 week Session 05/30 - 07/21/23 TBA TBA PH 218

PHT 634 Neurologic Management I Credit 3

The educational vision for this course is to develop reflective autonomous physical therapists qualified to maximize functioning and minimize disability in persons with Central Nervous System (CNS) Health Conditions. Teaching and learning strategies implemented facilitate the development of student professional affective, cognitive and psychomotor behaviors required for physical therapist practice. This course is section into two units of study: 1. Healthcare Management of Persons with Brain Conditions; and 2. Healthcare Management of Persons with Spinal Cord Conditions. Prerequisites: courses in curriculum sequence.

21227(30) 8 week Session 05/30 - 07/21/23 TBA TBA PH 213A

PHT 643 Musculoskeletal Management 1 Credit 3

The course is designed for learning and teaching entry-level physical therapy students the healthcare Process of Problem Solving for Individuals with Neuro-musculoskeletal Disorders. The World Health Organization (WHO) concepts of Health, Functioning and Disability (ICIDH-2)1, together with the APTA Guide to Physical Therapist Practice are used to structure Learning into four (four) study units: UNIT 1: Principles of Healthcare for Individuals with Neuro-musculoskeletal Disorders UNIT II. Individuals with Head, Neck, Spine and Pelvis Disorders. Prerequisites: Courses in curriculum sequence.

21228(30) 8 week Session 05/30 - 07/21/23 TBA TBA PH 213A

PHT 645 Pediatrics Credit 4

This course is designed to prepare students to acquire safe, effective, and evidence-based pediatric physical therapy management skills for children with neuro-musculoskeletal, cardiopulmonary, and other pediatric physical therapy related impairments. This course utilizes the National Center for Medical Rehabilitation Research(NCMRR) model and the Guide to Physical Therapist Practice that include evaluation, differential diagnosis, treatment goals and plan, intervention strategies, and documentation of prognosis, progress, and functional outcome measures. This course emphasizes interaction with clients' family and multidisciplinary team members at various settings such as homes, schools, clinics, community centers, and hospitals to maximize the functional carry-over of the intervention. Prerequisites: courses in curriculum sequence.

21232(30) 8 week Session 05/30 – 07/21/23 TBA TBA PH 218

PHT 659 Case Management Lab IV Credit 1

This is the final course in a series of courses designed to enhance student's ability to engage in problem-solving, critical thinking skills in the examination, diagnosis, prognosis, and intervention and outcome assessment of simulated cases with critical and non-critical multi-system involvement. The emphasis of this course will be the incorporation of student's knowledge and skills acquired in the classroom and in the clinic to be competent practitioners. Students are expected to use relevant research to guide clinical decisions and interventions. It is also expected that students are competent in addressing simple and complex problems throughout the life-span. Competency in communication and collaboration with other health professionals in the evaluation of treatment outcomes, psychosocial and cultural aspects of health care is also expected. At the end of this course students should demonstrate good clinical judgment in the current health care environment, and incorporate in their problem solving exercise all the elements of good physical therapy practice.

21233(30) 8 week Session 05/30 – 07/21/23 TBA TBA PH 218

PHT 668 Research 111 Credit 2

This course is designed to individually guide students to begin their EBP project, which allows each student to apply EBP to the processes of examination, evaluation, diagnosis, prognosis, and interventions of selected conditions across the lifespan seen in physical therapy.

21234(30) 8 week Session 05/30 – 07/21/23 TBA TBA TBA

PHY 191 Introduction Research Topics in Physics **Credit 1-3**
 Designed for freshman level undergraduates. Emphasis will be placed upon introduction to areas of physics research, regular attendance at appropriate seminars, techniques of literature searches, and background study. This course may be taken twice. Prerequisite: Consent of the department chairperson.
21354(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

PHY 291 Basic Research Topics **Credit 1-6**
 Designed for junior level undergraduates. Emphasis will be placed upon conducting directed research in physics with a designated research mentor and regular attendance at selected seminars. Review basic literature search techniques. This course may be taken twice. Prerequisite: Consent of the research mentor.
21197(31) 6 week Session 06/13 - 07/21/23 TBA TBA TBA
21155(30) Session 111 06/26 - 07/21/23 TBA TBA TBA

PHY 391 Intermediate Research Topics in Physics **Credit 1-9**
 Designed for junior level undergraduates. Emphasis will be placed upon conducting directed research in physics with a designated research mentor and regular attendance at selected seminars. Review basic literature search techniques. This course may be taken twice. Prerequisite: Consent of the research mentor.
21156(30) Session 1 05/30- 06/23/23 TBA TBA TBA
21198(31) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

PHY 491 Senior Research Topics Physics **Credit 1-12**
 Designed for senior level undergraduates. Emphasis will be placed upon participating in an independent research project or making a major contribution to departmental research with a designated research mentor. The student will produce a publication quality research report or thesis. Regular attendance at the physics seminar series is also required. This course may be taken twice. Prerequisite: Consent of the research mentor.
21288(31) Session 1 05/30- 06/23/23 TBA TBA TBA
21213(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

PHY 616 Research Problems I **Credit 1- 12**
 Research on problems leading to a master's thesis.
21235(40) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

PHY 617 Research Problems II **Credit 1-12**
 Research on problems leading to a thesis or dissertation.
21236(30) Session 1 05/30- 06/23/23 TBA TBA TBA
21345(31) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

PHY 681 Thesis **Credit 3**
21157(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

PHY 700 Thesis Registration **Credit 1**
21158(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

PHY 703 Ph.D Qualifying Examination **Credit 1**
 Graded S/U only. Passing grade of "S" is awarded upon successful completion of all four parts of this examination.
21307(30) Session 1 05/30- 06/23/23 TBA TBA TBA

PHY 791 Dissertation Research **Credit 1-12**
 Research on problems leading to a dissertation.
21308(39) Session 1 05/30- 06/23/23 TBA TBA TBA
21272(37) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

PHY 797 Dissertation Registration **Credit 1**
21159(30) 6 week Session 06/13 - 07/21/23 TBA TBA TBA

PHY 798	Doctoral Final Oral Comp Exam				Credit 1
21280(31)	Session 1	05/30– 06/23/23	TBA	TBA	TBA
21160(30)	6 week Session	06/13 - 07/21/23	TBA	TBA	TBA

PSY 203	Introduction to Psychology				Credit 3
Basic topics in psychology are explored, such as learning, motivation, intelligence, personality, perception, abnormality, and others. Emphasis is given to scientific methodology and its application to behavior.					
21264(31)	Pre-College	06/20 - 07/21/23	M T W R F	10:00 - 11:45	MK 112
21265(32)	Pre-College	06/20 – 07/21/23	M T W R F	8:00 - 9:45	MK 115

PSY 409	Independent Study				Credit 3
Independent work in an area of special interest. Periodic reports and conferences with a supervising faculty member. Extensive readings in students' research area. Prerequisite: PSY 203, 346.					
21462(31)	Session 1	05/30 – 06/23/23	M W	TBA	TBA
21461(30)	6 week Session	06/13 – 07/21/23	T R	TBA	MK 238
21463(32)	Session 111	06/26 – 07/21/23	W F	TBA	MK 238

SOC 205	Introduction to Sociology				Credit 3
Introduction to the scientific study of society and social behavior. Emphasis on culture, social structure, social inequality, social institutions and social change.					
21389(33)	Pre-College	06/20 - 07/21/23	M T W R F	1:00 - 2:45	MK 130
21384(39)	Pre-College	06/20 - 07/21/23	M T W R F	8:00 - 9:45	MK 130

SOC 499	Special Topics				Credit 3
Special topics in sociology. May be taken more than once as the topic of the course changes.					
21426(30)	Session 1	05/30 – 06/23/23	M T W R F	10:00 – 11:50	MK 101

THE 400	Co-op / Internship				Credit 3-12
Coordinated, structured off-campus work experience related to course of study in Theatre Arts. Work programs designated to provide a variety of practical experiences for the student.					
21201(30)	6 week Session	06/13 – 07/21/23	TBA	TBA	TBA

THE 420	Individual Projects I				Credit 3
A course providing qualified students an opportunity to conduct research in a specific area of Theatre Arts. Areas studied vary with the needs and interests of the student and the faculty member supervising the project.					
21202(30)	6 week Session	06/13 – 07/21/23	TBA	TBA	TBA
21373(31)	Session 111	06/26 – 07/21/23	TBA	TBA	TBA
21459(32)	Session 111	06/26 – 07/21/23	TBA	TBA	TBA

THE 421	Individual Projects II				Credit 3
A course providing qualified students an opportunity to conduct research in a specific area of Theatre Arts. Areas studied vary with the needs and interests of the student and the faculty member supervising the project.					
21203(30)	6 week Session	06/13 – 07/21/23	TBA	TBA	TBA
21374(31)	Session 111	06/26 – 07/21/23	TBA	TBA	TBA