HAO

Occupational Therapy

HAO 500: Functional Neuroscience
Presents an integrated approach to the general principles of organization and function of the autonomic, peripheral and central nervous systems. Presents these principles in a systems approach to neuroscience. The anatomy of a system will be followed with its physiology, pathophysiology relation to human function and clinical relevance to the occupational therapist. Clinical topics will include neurological testing, control of posture and balance, pain, muscle tone and spasticity, feedback versus feed-forward control, reflex versus voluntary control, control of reaching and locomotion, perception, and learning. Prerequisite: HAO 519, HAO 561
4 credits,

HAO 504: Introduction to the Historical and Contemporary Practices of Occupational Therapy
Introduces occupational therapy students to the values and philosophies that influenced the development of the profession, and those that continue to influence current practices. Explores conceptual foundations, ideas, evidence, and resources that allow learners to begin developing applied skills and clinical reasoning skills to support clients in achieving greater participation in the occupations they want and need. The goal of the course is to have learners develop beginning skills for conducting contemporary occupational therapy practices.
3 credits,

HAO 505: Foundations in Occupational Therapy
Provides a conceptual foundation for occupational therapy theory and practice. Instructs students on the concepts of occupation, activity, purposeful activity and participation. Through lecture and laboratory sessions, students will experience working with the concepts they are learning. Examines the philosophical base of the profession, and explores the meaning and diversity of the frames of reference in contemporary occupational therapy practice. Emphasizes the centrality of occupation in health and wellness, through balance in performance areas and contexts. Explores the impact of disability, disease, and injury on the person, their family and society. Students will learn how to break down and analyze activities for their performance components, as well as how to grade and adapt activities for therapeutic purposes. Group discussions on social and political systems will focus on how they influence the delivery of health care services. Introduces the impact of culture on treatment and health practices. Explores the concept of theory development, and how theories, models of practice and frames of reference impact occupational therapy evaluation/treatment. Prerequisites: HAO 505; HAO 507; HAO 519; HAO 561
3 credits,

HAO 506: Life Span Growth and Development for Occupational Therapy
Provides students with a knowledge of developmental theories and factors influencing the normal developmental process. Developmental norms and sequences are examined with emphasis on physical (sensory and motor), cognitive, and psychosocial tasks. Discusses cultural and environmental influences on development. The coursework covers prenatal, child, adolescent, and adult development utilizing many frames of references from occupational therapy points of view regarding development. Prerequisites: HAO 504, HAO 561
3 credits,

HAO 507: Clinical Conditions in Occupational Therapy
Addresses clinical diagnoses, symptomatology, and prognosis of many major clinical conditions commonly encountered in current practice. Emphasize the impact of disease on individual physical, cognitive and emotional function and on families and society. Case studies will be utilized within this course to enable students to relate major theories and frames of reference to treatment approaches for common diagnoses and medical conditions. The course is intended to help build a foundation for subsequent occupational therapy theory and practice courses and to provide a foundation for Fieldwork II experiences. Prerequisites: HAO 505; HAO 519; HAO 561
2 credits,

HAO 508: Theories of Adult Rehabilitation
This is the first part of a two part course. Provides entry-level knowledge and attitudes necessary to effectively work as an occupational therapist with the adult population in multiple settings to support occupational performance and quality of life. Discusses and evaluates the core concepts of the occupational therapy and physical disabilities environment. Students will be able to define the role of the occupational therapist as well as the impact of a multidisciplinary team on their role as a team member and within the continuum of care of adults while applying evidence based practice. Prerequisites: HAO 505; HAO 507; HAO 519; HAO 561
2 credits,

HAO 509: Occupational Therapy Theory and Practice in Pediatrics
Presents occupational therapy theories, assessments, and treatment processes as they pertain to the pediatric population. Integrates several of the predominant models in current practice with material from previous and concurrent coursework. Covers abnormal development, acute and chronic medical conditions, their effect on the CNS, orthopedic and musculoskeletal systems. Reviews major causes of disability, the etiology and prognoses. Discusses the impact on the family and cultural implications. Students learn about selecting age and developmental stage appropriate evaluations, treatment techniques/procedures. Students enhance their activity analysis skills, assessment, treatment planning, documentation skills, and professional interaction through laboratory, class assignments, and fieldwork. Prerequisite: HAO 505; HAO 507; HAO 519; HAO 561
4 credits,

HAO 517: Universal Design
Focuses on adapting the environment to improve the client's quality of life. Examines the therapist's ability to help the patient reintegrate into society. Covers Americans with Disabilities Act; mobility (power and manual); seating/positioning systems; adapted toys; augmentative communication systems; computer access; environmental control units; independent living aids; and vocational adaptations. Provides foundation and knowledge of ergonomic, work hardening, functional capacity evaluations, and vocational programs. Expouses students to different occupational therapy work settings and employment, awareness of federal regulations for work-related programs, and certification requirements for this emerging practice area. The lab sessions offer practical applications of principles discussed in lectures. Prerequisite: Second Year Summer and Fall Courses
3 credits,

HAO 519: Kinesiology for Occupational Therapy
Kinesiology is the study of human motion. Designed to establish a working knowledge of biomechanical principles as well as detailed understanding of the osteokinematics and arthokinematics of the various joints of the body. Students will be able to apply their knowledge of biomechanics into real life functional applications for a variety of
occupations. The course consists of both lecture and laboratory sessions. Laboratory sessions provide the student with practical applications of principles discussed in lecture. In addition, the laboratory sessions will allow the student to become proficient in the areas of surface anatomy and palpation, manual muscle testing, and goniometry. The student will study normal and pathological movement, including its impact on function. Prerequisite: HAO 561.

HAO 520: Substance Abuse and Occupational Therapy
This course addresses physiological, sociological, and psychological effects of substance abuse on the abuser and his/her environment. Presents drug classifications, along with effects and withdrawal symptoms. Discusses treatment models, philosophies, and methods. Students will learn how to design both individual and group interventions. Explores in detail the occupational therapists' role in the evaluation and treatment of substance abuse across the life-span and across disabilities. Reviews the use of 12-step programs and alternative treatment models, as will prevention programs, such as smoking cessation. Requires Internet Explorer 10, 9, or 8; Firefox; Chrome; Windows 8, 7, Vista or XP; Mac OS X 10.6, 10.7 and 10.8; or Safari 5.1 and 6. Prerequisites: HAO 504; HAO 505, HAO 506, HAO 507; HAO 523.

4 credits.

HAO 522: Assessment and Treatment of Adult Rehabilitation
This is the second part of a two part course. Learning activities focus on the evaluation and treatment of adults with physical disabilities. Examines injury, illness, disease and the effect on occupational performance in the areas of work, self-care and leisure. Occupational therapy theories and practice are learned, including frames of reference, evaluation/assessments, treatment interventions, selection of age-appropriate occupation-based activities, and activity analysis are explored. Students will have the opportunity to further refine their documentation and clinical reasoning skills through written and verbal assignments and apply evidence based practices. Prerequisites: HAO 500; HAO 505, HAO 507, HAO 508; HAO 519; HAO 522; HAO 561.

3 credits.

HAO 523: Assessment and Intervention of Psychosocial Issues
Explores the psychosocial aspects of disability as they affect the function of the individual, the family and the community. Lectures and presentations will be related to the recognition of psychosocial problems and how they can be better understood, minimized, or eliminated. Provision of mental health services across all levels of care will be delineated. Multicultural factors will be discussed as they relate to mental illness and the recovery process. The course exposes the occupational therapy student to the DSM-V and the pharmacology of major mental illnesses. Psychosocial theories guiding assessment and intervention will be thoroughly discussed. Interviewing skills are demonstrated and practiced in the lab sessions. The use of group theories, the structure and function of groups in treatment, the analysis of group treatment and group activities and the therapeutic use of self are the focus in laboratory and lectures. Students will be introduced to and given the opportunity to practice a variety of assessments utilized in psychosocial occupational therapy practice. This course is to provide the student with the knowledge, skills, and attitudes necessary to function as an occupational therapist in a psychosocial/mental health treatment setting. Prerequisite: HAO 504.

4 credits.

HAO 524: Assessment & Interventions of the Upper Extremities
Presents fundamental upper extremity therapy topics and provides a foundation for clinical reasoning and treatment approaches. Include anatomy; common pathologies; orthotics; evaluation; and treatment. Introduces students to upper extremity orthotics including the design; biomechanical principles; function; use; care; and patient education. Enables the occupational therapy student to gain an understanding of various physical agents currently used in the rehabilitation practices. Prerequisites: HAO 500, HAO 507, HAO 508, HAO 519; HAO 522.

3 credits.

HAO 525: Vision, Perception, and Cognition
Focuses on principles and techniques for the rehabilitation of visuocognitive dysfunction. Presents the theoretical rationale and specific skills needed to evaluate and treat a wide range of visual, perceptual and cognitive performance components. Includes a systematic bottom up approach to the evaluation of the adult patient with visuocognitive dysfunction. Explores a variety of treatment approaches and specific treatment techniques that can improve functional performance and outcomes, drawing from both the neurosciences and Occupational Therapy frames of reference. Emphasizes clinical reasoning and the use of both remediation and compensatory strategies within the framework of Occupational Therapy practice. Prerequisites: HAO 500; HAO 505; HAO 507; HAO 508; HAO 561.

2 credits.

HAO 526: Gerontology and Occupational Therapy
Focuses on the role of occupational therapy with the aged within geriatric rehabilitation settings (in-patient, out-patient and home care); long-term care programs; wellness and safety programs; hospice; community based programs (socialization, day treatment, adult day care programs), and alternative housing environments. Addresses the aging process and its physiological, sociological, and psychological effects, with attention to heterogeneity and older person’s strengths and capabilities. Presents common impairments and disabilities and rehabilitation needs of older persons. Students will develop and demonstrate skills in evaluation, treatment planning and therapeutic adaptation, documentation, and discharge planning (including collaborative client and family education), and demonstrate knowledge of assistive devices, equipment, and technology/environmental modifications to support community living and to improve the quality of life of older persons. Addresses the importance of evidence-based practice, including occupational therapy, life-long learning and professional development, the benefits of collaborative OT-OTA partnerships and the relationships between policy, legislation and practice. Include aging and gender issues, successful aging, and community and home safety. Provides a conceptual framework for the study of gerontology as it relates to occupational therapy and develops the skills and knowledge to understand major issues in theory, research, and practice related to the older adult. Prerequisites: HAO 505, HAO 507, HAO 508, HAO 522.

3 credits.

HAO 530: Community, Occupation and Health
Presents the importance of occupation as a precursor to health, and of occupational therapy as a health promoting profession. Examines the theories and applications of occupational science through a review of the professional literature and class discussion. This occupational perspective of health will be the foundation for each student's design of a community-based practice program. Reviews social theories, socio-cultural and socio-political trends that impact the individual’s health status and the delivery of health care services. Offers experience in designing/
administering needs assessments in the community, and in organizing outcome data. Prerequisite: Successful completion of all prior coursework. 

4 credits,

HAO 534: The Occupational Therapy Manager
Assists the learner in creating a business plan for an occupational therapy service. Teaches skills involved in setting up a business, being a manager of people, budgets, and services, using evidence to guide and how to manage for change. Prerequisites: Successful completion of all prior coursework.

3 credits,

HAO 540: Prosthetics & Orthotics
Provides the theoretical, psychomotor and practical skills of orthotics and upper extremity prosthetics that are necessary for current practice. Utilizes lecture, discussion and laboratories to teach the design, biomechanical principles, fit, function, use, care and patient education involved with upper extremity orthotics. Students are introduced to upper and lower extremity prosthetic devices. Prerequisites: HAO 500; HAO 507, HAO 508; HAO 519; HAO 522; HAO 524.

2 credits,

HAO 549: Introduction to Research for Occupational Therapy
Description: Provides a foundation for future professional and scholarly activities and stresses the importance of research for informed practice decisions. Presents basic research concepts and statistical applications for the research process. Presents methods to review and critique published, peer-reviewed research, identify research topics of interest, and initiate the literature review process. Provides tools needed to critique commonly used assessment tools in occupational therapy and to use and interpret standardized scores. Requires the CORIHS human subjects research training. Emphasizes professional writing skills for publications and professional presentations. Explores current research methodologies used in occupational therapy to facilitate beginning research skills. Prerequisite: Successful completion of all prior coursework.

3 credits,

HAO 551: Research Design and Methods for OT
Provides students beginning research and critical inquiry skills through learning current occupational therapy related research methods and by the design of research grant proposals. Students gain fundamental critical inquiry and writing skills necessary to identify appropriate funding sources and write grant proposals for research and program development. Students learn to design qualitative research projects and analyze qualitative data. Prerequisite: HAO 549

3 credits,

HAO 561: Functional Anatomy Review
Provides an anatomical review of all bodily systems in order for students to acquire a meaningful knowledge of the functional structure of the human body. Provides foundational knowledge for all other courses in the Occupational Therapy Program. Students will apply knowledge learned to formulate hypotheses about occupational dysfunction associated with abnormalities within systems. Utilizes critiques of research to expand on knowledge from lecture and lab.

4 credits,

HAO 562: Principles of Instruction
Identifies issues facing health professions educators and application of knowledge of key education and behavior theories for occupational therapy practice. Explores commonly used instructional methods and applies these methods to a variety of teaching/learning situations found in occupational therapy education. Explores standardized tools to measure literacy, design of patient education materials for a specific population, and provision of health education information in a community setting. Prerequisite: Successful completion of all prior coursework.

3 credits,

HAO 570: Global Communities, Occupations and Health
Explores innovative, non-traditional and emerging areas of occupational therapy practice. Students meet and dialog with occupational therapy practitioners and/or other health care professionals who have developed private practices, are consultants, and are involved in emerging areas of practice. Presents timely articles concerning health care trends and non-traditional/emerging practice areas. Articulates global social issues and occupational needs for a variety of global populations. Builds upon student's prior knowledge and coursework and integrates AOTA’s Standards of Practice, Core Values and Attitudes of OT, and AOTA’s Code of Ethics, with attention to current and potential OT/OTA partnerships in community and non-traditional settings. Prerequisite: Successful completion of all prior coursework.

1.5 credits,

HAO 573: Professional Behaviors I
Introduces professional behaviors, including basic communication and documentation skills, with a focus on expectations of fieldwork sites. Students will learn the concept of reflective practice, and how to use a reflective journal. Introduces the professional portfolio as a means to document clinical competence. Examines the nature of the supervisory process with strategies to maximize the use of clinical and administrative supervision. Explores cultural competency and the scope of diversity in health care. Emphasizes the importance of life-long learning through continuing education and other methods. Includes lectures, presentations, role-plays and other exercises to achieve learning objectives. Prerequisite: Year One Summer and Fall Courses

1.5 credits,

HAO 574: Professional Behaviors II
Builds on previously learned material covered in Professional Behaviors I. Students will work on more advanced documentation and communication skills required for entry-level practice. Provides opportunity to discuss professional behavior expectations from their clinical fieldwork assignments. Use of the reflective journal to enhance professional development, and the continuation of the professional portfolio will assist students in developing and documenting their clinical competence. Explores the supervisory process in greater detail, in the context of its use for personal and professional growth. Discusses the role of the occupational therapy assistant as a colleague and collaborator. Continues to emphasize the importance of life-long learning. Lectures, role-plays, presentations and experiential activities will be used to achieve learning outcomes. Prerequisite: Year Two Summer and Fall Courses

1 credit,

HAO 575: Professional Transitional Seminar
Discusses issues related to transition of student to entry-level practitioner role. Presents information on licensure, certification exam preparation, NBCOT certification, AOTA specialty examinations, models of supervision, mentoring, job search strategies, marketing skills, malpractice, continuing competency, professional organizations, networking and career goal planning. Prerequisite: Successful completion of all prior coursework.

2 credits,

HAO 580: Special Topics in Occupational Therapy

Stony Brook University Graduate Bulletin: www.stonybrook.edu/gradbulletin
Offers students the opportunity to explore and expand knowledge and skills in a practice area of specific interest. Prerequisite: Successful completion of all prior coursework.
2 credits,

HAO 585: Disability Studies and Occupational Therapy
Introduces a social model of disability and explores the ethical and psychological issues faced by people with disabilities across their lifespans. Presents historical analysis, healthcare discourse, and cultural critique to understand the evolution of health practice, cultural beliefs and social structures influencing the treatments, services, and opportunities available to people with disabilities in the United States and internationally. Offers students a multi-layered understanding of the issues faced by people with disabilities and their families. Includes assigned readings, films, guest speakers, site visits, and one-on-one interactions with people with disabilities. Prerequisite: Successful completion of all prior coursework.
2 credits,

HAO 586: Fieldwork Level IIA
The first of two Level II fieldwork experiences. Offers students the opportunity to identify symptomatology, observe treatment interventions and formulate treatment plans in a psychosocial practice setting. Promotes effective communication skills used with patients and professionals. Uses reflective journals to monitor development of professional behaviors and skills. Prerequisites: HAO 586, HAO 587
1 credit,

HAO 587: Fieldwork IIB
This second clinical fieldwork experience provides the occupational therapy student with opportunities to apply the knowledge and skills learned thus far in the curriculum. Students will be assigned to a fieldwork site for 12 weeks on a full time basis in a particular area of practice. Prerequisite: HAO 596
12 credits, S/F graded

HAO 588: Fieldwork Level IIC
The third of three introductory level clinical experiences. Offers the opportunity to identify symptomatology, observe treatment interventions and formulate treatment plans in a pediatric practice setting. Promotes effective communication skills used with patients and professionals. Uses reflective journals to monitor development of professional behaviors and skills. Prerequisites: HAO 508, HAO 587
1 credit,

HAO 590: Independent Study in Occupational Therapy
Students develop and/or implement their research projects under the mentorship of the course instructor and a faculty advisor who has expertise in their chosen topic. Literature reviews are completed and the project is prepared in a format appropriate for professional publication or presentation.
2 credits,
May be repeated 3 times FOR credit.

HAO 593: Case Studies
This clinical reasoning seminar focuses on the synthesis of all clinical and academic coursework in formulating a comprehensive plan of care. Emphasis is placed on students responding spontaneously to case presentations in class, much as they would be expected to do in the clinical setting. Prerequisite: Successful completion of all prior coursework.
2 credits,

HAO 595: Service Learning and Capstone Project
Incorporates in-depth theoretical and practical knowledge for maximum integration of service and classroom work. Includes discussion, journals, essays and other reflective writing methods. Explores reflection, action skill building, and examination of theory and practice of citizenship as applied though community involvement. Students provide 30 hours of service learning. A scholarly project will be the culminating activity for the program. Students will present outcomes of their service learning project in poster format. Prerequisite: HAO 597 and successful completion of all prior coursework
4 credits,

HAO 596: Fieldwork Level IIA
Fieldwork IIA is an in-depth clinical experience in the delivery of occupational therapy services. According to AOTA guidelines, this fieldwork is designed to promote clinical reasoning and reflective practice; transmit values and beliefs that enable the application of ethics related to the profession; enable the student to communicate and model professionalism as a developmental process and career responsibility; and develop and expand a repertoire of occupational therapy assessments and interventions related to human occupation and performance. This first of two level II fieldwork experiences exposes the student to a variety of clinical conditions in a specific practice area for 12 weeks on a full time basis. Prerequisite: Successful completion of all prior coursework.
12 credits, S/F graded

HAO 599: Fieldwork Continuation
This course is for occupational therapy students continuing with Fieldwork.
S/F graded
May be repeated for credit.