

This course focuses on the clinical conditions, including the various illnesses, diseases, diagnoses, and afflictions, specifically found in the pediatric and adolescent population. An example of some of the clinical conditions that will be explored and dissected include, but are not limited to, Cerebral Palsy (CP), Traumatic Brain Injury (TBI), Spina Bifida, Muscular Dystrophy, Meningitis, Rett Syndrome, Prater-Willie Syndrome, CHARGE Syndrome, Fetal Alcohol Syndrome, Angelman Syndrome, Hydrocephalus, Microcephalus, Dyspraxia, Dysgraphia, Sensory Processing Dysfunction (SPD), and Autism Spectrum Disorders. General fine and gross motor, and speech and language delays will also be covered as they pertain to the pediatric and adolescent population. Upon completion of this course the OTA student will be expected to demonstrate an efficient understanding of the etiology, manifestation, types, methods of diagnosis, treatment, and expected outcome/prognosis for each clinical condition. Students will also be expected to demonstrate a grasp of the role of OT, and more specifically that of the OTA, in the treatment of the various clinical conditions. A combination of instructional tools, group discussions, student presentations, reflection, and case studies will be used as teaching tools.

III. Statement of Course Need:

- A. This course is vital for the OTA student's base of knowledge, as it is essential that the OTA student have a firm understanding of the various clinical conditions that may be encountered professionally as a practicing clinician. Students will need the information learned in this course in order to understand a patient's/client's potential deficits and needs, and then to be able to create and modify a client's plan of care and/or environment to compensate for such deficits and needs. Students will be expected to utilize the information learned in this class in their future academic, fieldwork, and professional experiences.
- B. Pediatric/Adolescent Clinical Conditions for the OTA does not have a laboratory.
- B. This course is not designed for transfer.

IV. Place of Course in College Curriculum:

- A. Free Elective
- B. This course meets a program requirement for the AAS in Occupational Therapy Assistant

V. Outline of Course content

- A. Presentation of symptoms for each condition studied, including but not limited to Cerebral Palsy (CP), Traumatic Brain Injury (TBI), Spina bifida, Muscular Dystrophy, Meningitis, Rett Syndrome, Prater-Willie syndrome, CHARGE

- Syndrome, Fetal Alcohol Syndrome, Angelman Syndrome, Hydrocephalus, Microcephalus, Dyspraxia, Dysgraphia, Sensory Processing Dysfunction (SPD), and Autism Spectrum Disorders.
1. Typical/expected anomalies and physical features.
 2. Typical/expected postural and sensorimotor delays/concerns.
- B. Etiology for each condition studied
1. Cause(s).
 2. Typical age range for 1). onset, and 2). manifestation of signs/symptoms
- C. Variations in type for each condition studied
- D. Method(s) of diagnosis for each condition studied
- E. Various medical and therapeutic treatments/interventions for each condition studied
1. Current therapies/disciplines involved.
 2. Current medications used.
 3. Possible medical interventions- i.e. tracheotomies, feeding tubes, Botox injections.
 4. Appropriate treatment techniques, modalities, and handling.
 5. Orthotics, prosthetics, wheelchairs, adaptive equipment (AE), and/or durable medical equipment (DME).
- F. Expected outcome/prognosis for each condition studied
- G. Typical cognitive/educational/learning expectations
- H. Appropriate evaluation and assessment tools and methods for each condition studied

VI. General Education and Course Learning Outcomes

A. General Education Learning Outcomes:

At the completion of the course, students will be able to:

1. Analyze, synthesize or deconstruct, and interpret and evaluate information on clinical conditions and concepts across or within the Occupational Therapy discipline to solve problems associated with various illnesses and diseases in the pediatric and adolescent population. (GE-NJ 1, 3, 8, IL)*
2. Identify, locate, evaluate, and use information on clinical conditions in the pediatric and adolescent population effectively and responsibly to increase understanding. (GE- NJ 1, 3, 4, IL)*
3. Use appropriate language, conventions, elocution, poise, organization, supporting evidence, and content to effectively communicate understanding of clinical conditions in the pediatric and adolescent populations as they relate to occupational therapy through the spoken word for the purpose and audience. (GE-NJ 1)

4. Use appropriate language, conventions, organization, supporting evidence, and content to effectively communicate understanding of clinical conditions in the pediatric and adolescent populations as they relate to occupational therapy in writing for the purpose and audience. (GE-NJ 1)
5. Identify, locate, evaluate, and use information on clinical conditions in the pediatric and adolescent populations effectively and responsibly to increase understanding. (GE- NJ IL)*

*embedded critical thinking

B. Course Learning Outcomes:

At the completion of the course, students will be able to:

1. Demonstrate knowledge and understanding of the structure and function of the human body to include the biological and physical sciences as it pertains to infants, children, and adolescents. (B 1.1)*
2. Demonstrate knowledge and understanding of human development throughout the lifespan, focusing on infants, children, and adolescents, recognizing the common medical and clinical manifestations of this population. (B 1.2)*
3. Demonstrate knowledge and appreciation of the role of socio-cultural, socioeconomic, diversity factors as they pertain to the treatment of infants, children, and adolescents. (B 1.4)*
4. Understand the effects of heritable diseases, genetic conditions, disability, trauma, and injury to the physical and mental health and occupational performance of the individual as it pertains to infants, children and adolescents. (B 2.6)*
5. Recognize and communicate the need to refer to specialists (both internal and external to the profession) for consultation and intervention when the condition requires special needs and no longer is within the scope of OT practice. (B 5.22)*

*represents ACOTE Standards required for accreditation

C. Assessment Instruments

1. Demonstrations
2. Essays & papers
3. Journals
4. Tests & Quizzes
5. Presentations
6. Discussion
7. Case studies
8. Class participation
9. Online Forums
10. Assigned readings
11. Observational opportunities

VII. Grade Determinants

- A. Essays & papers
- B. Journals
- C. Tests & Quizzes
- D. Presentations
- E. Class participation
- F. Professional conduct
- G. Online Forums

Given the goals and outcomes described above, LIST the primary formats, modes, and methods for teaching and learning that may be used in the course:

- A. Lecture/discussion
- B. Small group work
- C. Guest speakers
- D. Student oral presentations
- E. Student collaboration
- F. Independent study
- G. Case studies
- H. Audiovisual (DVD's, YouTube)
- I. Online Forum assignments
- J. Assigned readings
- K. Observational opportunities

VIII. Texts and Materials

- A. Required textbooks

Occupational Therapy Practice Framework: Domain and Process 3rd Edition
 American Occupational Therapy Association
 ISBN-13: 978-1569003619
 ISBN-10: 1569003610
 American Occupational Therapy Association AOTA Press

Occupational Therapy for Children and Adolescents: Edition 7
 Jane Case-Smith, Jane Clifford O'Brien
 ISBN-13: 9780323169257

B. Supplemental textbooks

Pediatric Skills for Occupational Therapy Assistants, 4th Edition
 Jean Solomon, MHS, OTR/L, Jane Clifford O'Brien, PhD, OTR/L
 ISBN- 9780323169349

Foundations of Pediatric Practice for the Occupational Therapy Assistant / Edition
 Amy Wagenfeld
 ISBN-10: 1556426291
 ISBN-13: 9781556426292

Working with Children and Adolescents
 Janet DeLany, Margaret Pendzick
 ISBN- 0131719173

Activity Analysis, Creativity and Playfulness in Pediatric Occupational Therapy:
 Making Play Just Right
 Heather Miller Kuhaneck, Susan Spitzer
 ISBN-13: 9780763756062

Case Studies Through the Health Care Continuum: A Workbook for the
 Occupational Therapy Student 2nd Edition
 Patricia Halloran, MBA, MA, OTR/L, Nancy Lowenstein MS, OTR, BCPR
 ISBN-13: 978-1617118333
 ISBN-10: 1617118338

Kids can be kids: A childhood occupations approach.
 Lane, S.J., & Bundy, A.C. (Eds.). (2012).
 ISBN: 978-0-8036-1228-0

*Please note: The course outline is intended only as a guide to course content and resources. Do not purchase textbooks based on this outline. The RVCC Bookstore is the sole resource for the most up-to-date information about textbooks.

IX. Resources

- A. Library
- B. Computer/computer lab