

RARITAN VALLEY COMMUNITY COLLEGE ACADEMIC COURSE OUTLINE

OTAH 122 – PEDIATRIC/ADOLESCENT CLINICAL CONDITIONS FOR THE OTA

I. Basic Course Information

A. Course Number and Title: OTAH 122 - Pediatric/Adolescent Clinical Conditions for the OTA

B. New or Modified Course: Modified

C. Date of Proposal: Semester: Fall Year: 2023

D. Effective Term: Fall 2024

E. Sponsoring Department: Health Science Education

F. Semester Credit Hours: **3**

G. Weekly Contact Hours: **3** Lecture: 3
Laboratory: 0
Out of class student work per week: 6

H. ☒ Prerequisite (s): ENGL 111- English Composition
BIOL 124- Human Anatomy & Physiology I
OTAH 101 - Introduction to OT
OTAH 102 - Stages of Human Development

☒ Corequisite (s): BIOL 125 – Human Anatomy & Physiology II
OTAH 120 - Pediatric/Adolescent OTA
OTAH 121 - Pediatric/Adolescent Fieldwork I

I. Additional Fees: None

J. Name and E-Mail Address of Department Chair and Divisional Dean at time of approval:

Chair: Linda Romaine, Linda.Romaine@raritanval.edu

Dean: Dr. Sarah Imbriglio, Sarah.Imbriglio@raritanval.edu

II. Catalog Description:

Prerequisite: ENGL 111- English Composition
BIOL 124- Human Anatomy & Physiology I
OTAH 101 - Introduction to OT

OTAH 102 - Stages of Human Development

Corequisites: BIOL 125 – Human Anatomy & Physiology II
 OTAH 120 - Pediatric/Adolescent OTA
 OTAH 121 - Pediatric/Adolescent Fieldwork I

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. A. Course 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-IL)*
- 2. Identify, locate, evaluate, and use information on clinical conditions in the pediatric and adolescent population effectively and responsibly to increase understanding. (GE- 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 for the purpose and audience. (GE-1)

4. The structure and function of the human body to include the biological and physical sciences, neurosciences, kinesiology, and biomechanics, developmental psychology and human behavior. (ACOTE-2018- B.1.1)**
5. Explain the role of sociocultural, socioeconomic, and diversity factors, as well as lifestyle choices in contemporary society to meet the needs of persons, groups, and populations (ACOTE 2018-B 1.2)**
6. Demonstrate knowledge of the effects of disease processes including heritable
7. diseases, genetic conditions, mental illness, disability, trauma, and injury on occupational performance. (ACOTE 2018- B.3.5)**
8. Identify and communicate to the occupational therapist the need to refer to specialists both internal and external to the profession, including community agencies. (ACOTE 2018- B.4.26)**

*embedded critical thinking

**represents ACOTE Standards required for accreditation

A. 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 4th Edition
 American Occupational Therapy Association
 ISBN-13: 978-1569004883
 ISBN-10: 1569004889
 American Occupational Therapy Association AOTA Press, 2020

Case-Smith, Jane & O'Brien, Jane. (2019).
 Occupational Therapy for Children and Adolescents: Edition 8th
 ISBN: 9780323512633

Atchison, B. J. & Dirette, D. K. (2023). Conditions in Occupational Therapy Effect on Occupational Performance (6th ed.). Wolters Kluwer Health/ Lippincott Williams & Wilkins. ISBN: 9781975153854

Solomon, Jean & Obrien, J. (2021). Pediatric Skills for Occupational Therapy Assistants 5th Edition. Elsevier Health Sciences Division
 ISBN: 9780323597135

B. Supplemental textbooks (not required)

Working with Children and Adolescents

Janet DeLany, Margaret Pendzick
ISBN- 0131719173

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

Foundations of Pediatric Practice for the Occupational Therapy Assistant 2nd Edition
Wagenfeld, Amy- 2016
ISBN-10: 1556426291
ISBN-13: 9781630911249

*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

X. Check One: ☐ Honors Course ☐ Honors Options ☒ N/A