

JEFFERSON COLLEGE

COURSE SYLLABUS

OTA105

HEALTH CONDITIONS

2 Credit Hours

Prepared by:
Lisa Martin MS, OTR/L
Occupational Therapy Assistant Program Director

Revised Date: June 2014

By:
Lisa Martin

Dena McCaffrey, Dean, Career and Technical Education
Kenneth Wilson, Division Chair, Health Occupations Programs

OTA105 Health Conditions

I. CATALOGUE DESCRIPTION

- A. Prerequisite: Acceptance into the OTA Program and completion of OTA 100 Foundations of Occupational Therapy, OTA 110 Physical Dysfunction in Occupational Therapy, OTA 111 Physical Dysfunction Performance Skills, OTA 125 Biomechanical Basis of Performance, with a “C” or better and reading proficiency.
- B. 2 semester credit hours
- C. Description - Health Conditions includes an overview of disease conditions commonly seen for treatment by occupational therapy practitioners. Etiology, symptoms and physical and psychological reactions to these conditions are explored. Topics cover basic influences contributing to healthy living. The course incorporates medical terminology and procedures commonly used in occupational therapy. (Su, O)

II. EXPECTED LEARNING OUTCOMES/CORRESPONDING ASSESSMENT MEASURES (With numbers in parentheses referring to ACOTE standards)

Expected Learning Outcomes	Assessment Measures
Describe the influence of gender, socioeconomic status, ethnicity, and age on health. (B.1.2, B.1.4)	Discussion Board/Activity Formative Assessment Written Project/Paper Summative Examination
Discuss the available sources of health information and how to critically evaluate them for accuracy and relevance. (B.8.2, B.8.3)	Discussion Board/Activity Formative Assessment Written Project/Paper Summative Examination
Discuss the etiology, effects of disability, disease processes and clinical processes of selected diseases and illnesses. (B.1.1, B.1.3, B.2.6)	Discussion Board/Activity Formative Assessment Written Project/Paper Summative Examination
Describe the effects of disease or illness on the individual’s occupational performance. (B.2.6)	Discussion Board/Activity Formative Assessment Written Project/Paper Summative Examination
Cite and integrate knowledge of basic tenets and theories of occupational therapy. (B.1.5, B.1.6, B.2.1, B.2.2, B.2.4-B.2.6, B.3.1, B.3.2)	Discussion Board/Activity Formative Assessment Written Project/Paper Summative Examination

Discuss the principles and goals of patient teaching in relation to the tenets of occupational therapy. (B.5.18, B.5.19)	Discussion Board/Activity Formative Assessment Written Project/Paper Summative Examination
Effectively interact through written, oral, and nonverbal communication in a professionally acceptable manner to describe specific health conditions. (B.5.20)	Discussion Board/Activity Formative Assessment Written Project/Paper Summative Examination
Use the OT Practice Framework to describe the impact that specific diseases and illnesses have on the person, family and society. (B.5.18, B.5.20)	Discussion Board/Activity Formative Assessment Written Project/Paper Summative Examination
Use the PEO model to identify occupation-based interventions appropriate to client's needs. (B.1.1-B.1.6, B.2.4-B.2.11)	Discussion Board/Activity Formative Assessment Written Project/Paper Summative Examination
Explain the importance of personal decision making and behavior change in achieving a wellness lifestyle. (B.2.4, B.2.5)	Discussion Board/Activity Formative Assessment Written Project/Paper Summative Examination
Demonstrate appreciation for ethics and values of the profession of occupational therapy. (B.9.1-B.9.7, B.9.9, B.9.10, B.9.11, B.9.13)	Discussion Board/Activity Formative Assessment Written Project/Paper Summative Examination

III. OUTLINE OF TOPICS

- A. Thinking Like an OT
 - 1. Core Values
 - 2. Philosophical Assumptions
 - 3. Language
 - 4. OT Practice Framework
 - 5. Evidence-Based Practice

- B. Orthopedics
 - 1. Description and Definition
 - 2. Etiology
 - 3. Incidence and Prevalence
 - 4. Signs and Symptoms
 - i. Distal Radial Fracture
 - ii. Humeral Fractures
 - iii. Hip Fractures
 - iv. Scaphoid Fractures
 - v. Arthritis
 - 5. Course and Prognosis

6. Medical/Surgical Management
 7. Impact on Occupational Performance
- C. Cerebral Palsy
1. Description
 2. Etiology
 3. Incidence and Prevalence
 4. Signs and Symptoms
 5. Types of CP
 6. Associated disorders
 7. Diagnosis
 8. Course and prognosis
 9. Impact on Occupational Performance
- D. Cerebrovascular Accident
1. Description
 2. Etiology
 3. Incidence and Prevalence
 4. Signs and Symptoms
 5. Diagnosis
 6. Course and Prognosis
 7. Other Complications of Stroke
 8. Neuroimaging
 9. Medical/Surgical Management
 10. Impact on Occupational Performance
- E. Cardiopulmonary Disorders
1. Overview of the cardiopulmonary system
 2. Hypertension
 3. Coronary Artery Disease
 4. Pneumonia
 5. Chronic Obstructive Pulmonary Disease
 6. Congestive Heart Failure
 7. Myocardial Infarction
 8. Impact on Occupational Performance
- F. Dementia
1. Cognitive Disorders
 - i. Delirium
 - ii. Dementia
 - iii. Alzheimer's Disease
 2. Etiology
 3. Incidence and Prevalence
 4. Signs and Symptoms of Alzheimer's Disease
 - i. Stages of Alzheimer's Disease
 5. Diagnosis
 6. Treatment Approach
 7. Impact of Condition on Client Factors
- G. Acquired Brain Injury

1. Traumatic Brain Injury
 - i. Description and Definition
 - ii. Etiology
 - iii. Incidence and Prevalence
 - iv. Signs and Symptoms
 - v. Course and Prognosis
 - vi. Medical/Surgical Management
 - vii. Impact of TBI on Client Factors
2. Tumors of the Central Nervous System
 - i. Etiology
 - ii. Incidence and Prevalence
 - iii. Signs and Symptoms
 - iv. Course and Prognosis
 - v. Medical/Surgical Management
 - vi. Impact of CNS Tumor on Client Factors

H. Spinal Cord Injury

1. Description and Definitions
 - i. Overview of CNS and Related Structures
2. Etiology
3. Incidence and Prevalence
4. Signs and Symptoms
 - i. Sensory Functions
 - ii. Incomplete Injuries
 - iii. Anterior cord Syndrome
 - iv. Brown-Séquard Syndrome
5. Cauda Equina Injuries
6. Complete Versus Incomplete Injuries
7. Course and Prognosis
8. Posttraumatic Complications
9. Medical/Surgical Management
10. Impact on Occupational Performance

I. Progressive Neurological Disorders

1. Multiple Sclerosis
2. Parkinson's Disease
3. Amyotrophic Lateral Sclerosis
4. Impact of Conditions on Client Factors and Occupational Performance

J. Muscular Dystrophy

1. Description and Definition
 - i. Duchenne Muscular Dystrophy
 - ii. Becker Muscular Dystrophy
 - iii. Limb-Girdle Muscular Dystrophy
 - iv. Myotonic Muscular Dystrophy
2. Etiology
3. Incidence and Prevalence
4. Signs and Symptoms
5. Diagnosis
6. Course and Prognosis

7. Medical/Surgical Management
 8. Impact on Client Factors
- K. Burns
1. Description and Definitions
 - i. Anatomy and Physiology of the Skin
 - ii. Pathophysiology of Burns
 2. Incidence and Prevalence
 3. Signs and Symptoms
 - i. Depth of Burn
 4. Medical/Surgical Management
 - i. Burn Wound Management
 5. Impact on Occupational Performance
- L. Diabetes
1. Description and Definition
 2. Etiology
 - i. Type 1
 - ii. Type 2
 3. Incidence and Prevalence
 4. Signs and Symptoms
 5. Course and Prognosis
 6. Medical/Surgical Management
 7. Impact of Condition on Client Factors
- M. Rheumatic Diseases
1. Description and Definition
 2. Etiology
 3. Incidence and Prevalence
 4. Juvenile Rheumatoid Arthritis
 5. Signs and Symptoms
 - i. Wrist
 - ii. Elbow
 - iii. Shoulder
 - iv. Head, Neck and Cervical Spine
 - v. Hip and Knee
 - vi. Ankle and Foot
 6. Course and Prognosis
 7. Diagnosis
 8. Medical/Surgical Management
 9. Impact on Occupational Performance
 10. Impact on Client Factors
- N. Low Vision Disorders
1. Macular Degeneration
 2. Glaucoma
 3. Cataracts
 4. Impact on Client Factors and Occupational Performance
- O. Infectious Diseases

1. Description and Definitions of Infectious Diseases
 2. Course and Prognosis
 3. Tuberculosis
 4. HIV/AIDS
 5. Impact on Client Factors and Occupational Performance
- P. Developmental Trauma Disorder
1. Etiology
 2. Incidence and Prevalence
 3. Signs and Symptoms
 - i. Affective and Physiologic Dysregulation
 - ii. Attentional and Behavioral Dysregulation
 - iii. Self- and Relational Dysfunction
 4. Course and Prognosis
 5. Medical Management
 6. Impact on Client Factors and Occupational Performance

IV. METHOD(S) OF INSTRUCTION

- A. Interactive lectures, videos, handouts and readings from the textbook
- B. Computer presentations, group activities and exercises
- C. Student presentations peer interactive activities, group projects, and discussions in classroom and online
- D. Use of internet resources

V. REQUIRED TEXTBOOKS

Atchison B., & Durette D., (Current Edition). *Conditions in occupational therapy*. Baltimore, MD: Lippincott Williams & Wilkins.

VI. REQUIRED MATERIALS

- A. Course homepage available through Blackboard.
- B. A computer with internet access (available through the Jefferson College Labs).
- C. Paper, notebooks, pens, pencils with erasers.

VII. SUPPLEMENTAL REFERENCES

- A. Class Handouts
- B. Current Library Resources
 - 1. Books
 - a. Netter, F. (Current Edition). *Atlas of human anatomy*. Philadelphia, PA: Saunders-Elsevier.
 - 2. Periodicals
 - 3. Videos
- C. Current internet resources
 - 1. On-line reference materials
 - 2. Textbook companion web-site
 - 3. American Occupational Therapy Association (AOTA) web-site

VIII. METHOD OF EVALUATION (basis for determining course grade)

- A. Formative Assessment/Written Projects or Papers will equal 20% of total course grade. Consisting of 1-5 assignments focused on application of occupational therapy theory and principles.
- B. Summative Written Examinations – 3-5 examinations worth up to 60%.
- C. Attendance/Participation/Discussion Board/Activity – grade will equal 10% of total course grade.
- D. Additional Credit – Additional activities, community service, or exemplary professional behaviors as assessed by a professional behaviors checklist will equal 10% of total course grade.
- E. Grading Scale:
 - A = 90-100%
 - B = 80-89.9%
 - C = 70-79.9%
 - D = 60-69.9%
 - F = 0-59.9%

IX. ADA/AAA STATEMENT

Any student requiring special accommodations should inform the instructor and the Coordinator of Disability Support Services located in the library. (Phone: 636-797-3000, ext. 3169.)

X. ACADEMIC HONESTY STATEMENT

All students are responsible for complying with campus policies as stated in the Student Handbook. Any student who cheats or plagiarizes will be subject to dismissal from the Occupational Therapy Assistant program and will be referred to the college for disciplinary action. (See College website, <http://www.jeffco.edu>).

XI. ATTENDANCE STATEMENT

Students earn their financial aid by regularly attending and actively participating in their coursework. If a student does not actively participate, he/she may have to return financial aid funds. Consult the College Catalog or a Student Financial Services representative for more details. Student's grade will also be based on participation in class and attendance.

XII. OUTSIDE OF CLASS ACADEMICALLY-RELATED ACTIVITIES

The US Department of Education mandates that students be made aware of expectations regarding coursework to be completed outside the classroom. Students are expected to spend substantial time outside of class meetings engaging in academically-related activities such as reading, studying, and completing assignments. Specifically, time spent on academically-related activities outside of class combined with time spent in class meetings is expected to be a minimum of 37.5 hours over the duration of the term for each credit hour.