

MA-241L: ADVANCED CLINICAL ASSISTING LAB

Cuyahoga Community College

Viewing: MA-241L : Advanced Clinical Assisting Lab

Board of Trustees:

March 2022

Academic Term:

Fall 2022

Subject Code

MA - Medical Assisting

Course Number:

241L

Title:

Advanced Clinical Assisting Lab

Catalog Description:

Laboratory component to Advanced Clinical Assisting course. Practice psychomotor skills required by the medical assistant to perform advanced procedures in the physician's office, clinic, or family practice centers. Emphasis will be placed on mastering skills related to ophthalmology, otology, gastroenterology, reproduction, obstetrics, gynecology, pediatrics, orthopedics, neurology, mental health, dermatology, pulmonary, and geriatric medicine.

Credit Hour(s):

1

Lecture Hour(s):

0

Lab Hour(s):

2

Requisites

Prerequisite and Corequisite

MA-1321 Medical office Laboratory Procedures, and MA-132L Medical office Laboratory Procedures, and MA-1402 Basic Clinical Medical Assisting, and MA-140L Basic Clinical Medical Assisting Lab, and MA-1503 Administrative Procedures for the Medical Office, and MA-150L Administrative Procedures Laboratory, and concurrent enrollment in MA-2413 Advanced Clinical Medical Assisting.

Outcomes

Course Outcome(s):

Apply the skills necessary to function as a medical assistant in the ophthalmology and audiology office.

Objective(s):

1. Properly conduct a vision acuity test using the Snellen Chart.
2. Properly assess a patient's color acuity using the Ishihara color block assessment.
3. Explain the proper procedure to irrigate a patient's eyes.
4. Accurately explain how to instill eye and ear medication.
5. Explain the process of ear irrigations.
6. Describe and identify the major organs of the special senses- eyes and ears.

Course Outcome(s):

Apply the skills necessary to function as a medical assistant in the gastroenterology office.

Objective(s):

1. Perform the procedural steps for assisting with the collection of a fecal specimen.
 2. Describe the role of the MA when assisting with a gastrointestinal examination.
 3. Describe and identify the major organs of the gastrointestinal system.
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Course Outcome(s):

Apply the skills necessary to function as a medical assistant when assisting a physician with reproduction, obstetrics, and/or gynecology offices.

Objective(s):

1. Discuss the preparation and the role of the medical assistant when assisting with the female vaginal examination.
 2. Demonstrate how to teach a patient how to perform a self-testicular exam.
 3. Demonstrate how to teach a patient how to perform a self-breast exam..
 4. Discuss the role of the medical assistant in assisting with a prenatal examination.
 5. Discuss the normal results of a dipstick urinalysis of a pregnant patient.
 6. Accurately identify abnormal findings in a pregnant patient's urine dipstick results and correlate those results with possible diagnoses.
 7. Discuss the specimen collection techniques for patients with suspected sexually transmitted diseases.
 8. Explain the rationale of collecting a sperm sample for fertility testing.
 9. Demonstrate how to teach a patient to use a male/female condom appropriately.
 10. Compare and contrast the chemical and physical forms of birth control methods.
 11. Describe and identify the major organs of the reproductive systems-male and female.
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Course Outcome(s):

Apply the skills necessary to function as a medical assistant in the pediatric office.

Objective(s):

1. Demonstrate how to document immunizations and maintain accurate immunization records.
 2. Describe the medical assistant's role when assisting with a pediatric examination.
 3. Demonstrate on an infant dummy the accurate measurement of the circumference of an infant's head and chest.
 4. Accurately plot the measurements of height, weight and head circumference of an infant on the appropriate pediatric growth chart.
 5. Demonstrate on an infant dummy how to perform an intramuscular injection on the vastus lateralis.
 6. Describe the normal values of vital signs and how they change over the first few years of life.
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Course Outcome(s):

Apply the skills necessary to function as a medical assistant in the orthopedic office.

Objective(s):

1. Summarize the MA's role in assisting with orthopedic procedures.
 2. Demonstrate the application and indications of cold and hot/moist therapy to an injury.
 3. Properly fit a patient with crutches and explain the correct mechanics of crutch walking.
 4. Demonstrate the proper use of a wheelchair to include safety practices.
 5. Describe and identify the major organs of the musculoskeletal system.
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Course Outcome(s):

Apply the skills necessary to function as a medical assistant in the neurologic and mental health offices.

Objective(s):

1. Describe the medical assistant's role in assisting a physician with a neurological exam.
2. Accurately identify the cranial nerves.
3. Compare and contrast the different nervous systems.
 - a. Central versus peripheral
 - b. Autonomic versus somatic
 - c. Sympathetic versus parasympathetic

4. Demonstrate how to appropriately speak with a patient with impaired mental capacity.
 5. Demonstrate how to teach a caregiver self-help strategies when dealing with caring for an adult with dementia.
 6. Describe and identify the major organs of the nervous system.
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Course Outcome(s):

Apply the skills necessary to function as a medical assistant in the dermatology office.

Objective(s):

1. Describe and identify the major organs of the integumentary system.
 2. Describe common skin disorders.
 3. Describe the "Rule of Nines" for burns.
 4. Compare and contrast primary and secondary skin lesions.
 5. Describe the role of the medical assistant when assisting in the dermatology office.
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Course Outcome(s):

Apply the skills necessary to function as a medical assistant in the pulmonology office.

Objective(s):

1. Describe the medical assistant's role in assisting in the pulmonology office.
 2. Accurately perform a spirometry test.
 3. Accurately use a pulse oximeter.
 4. Describe how to teach a patient how to use a rescue inhaler for asthma.
 5. Describe and identify the major organs of the respiratory system.
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Course Outcome(s):

Apply the skills necessary to function as a medical assistant in the geriatric office.

Objective(s):

1. Describe the normal changes in vital signs that take place throughout the lifespan.
 2. Demonstrate how to care for elderly patients to maintain their dignity.
 3. Describe the signs of elder abuse.
 4. Describe how to teach an elderly patient how to prevent falls in the home.
 5. Describe the signs of depression in elderly patients.
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Methods of Evaluation:

1. Laboratory practical exams.
2. Psychomotor and affective domain check-off sheets required by CAAHEP/MAERB.

Course Content Outline:

1. Ophthalmology and otology
 - a. Vision acuity
 - b. Color acuity
 - c. Instilling of both ear and eye drops
 - d. External flushing of the eye
 - e. Ear lavage
2. Gastroenterology
 - a. Colonoscopy prep
 - b. Collection of specimens
 - c. MA's role in the gastrointestinal examination
3. Reproduction, Obstetrics and Gynecology
 - a. Assisting with the examinations
 - b. Sexually transmitted diseases
 - c. MA's role in gynecologic and reproductive examinations
4. Dermatology

- a. Skin disorders
- b. Signs of malignancy
- c. Burns
- 5. Pediatrics
 - a. Immunizations and documentation
 - b. Assisting with exams
 - c. Measuring of heights and weights
 - d. Plot pediatric growth patterns
 - e. Vital signs
 - f. MA's role in a pediatric exam
- 6. Orthopedics
 - a. Applying of hot and cold therapies
 - b. Crutch fitting
 - c. Wheel chair use and safety
- 7. Neurology and Mental Health
 - a. Divisions of the nervous system
 - b. Caring for patients with altered mental status
- 8. Pulmonary
 - a. Administering nebulizer treatments
 - b. Performing a pulmonary function test (PFT)
 - c. Correctly use a pulse oximeter
- 9. Geriatrics
 - a. Special considerations for caring for the elderly
 - b. Changes across the lifespan of vital signs and body function
- 10. Anatomy and Physiology
 - a. Major organs of the body systems
 - b. Diseases and disorders of the body systems
 - c. Diagnostic testing and treatments

Resources

Young, Alexandra P. *Kinn's The Administrative Medical Assistant*. 14th ed. St. Louis, MO: Saunders, 2019.

Booth, Whicker, Wyman, Wright. *Medical Assisting Administrative and Clinical Procedures with Anatomy and Physiology*. 7th. McGrawHill, 2017.

Nina Beaman. *Comprehensive Medical Assisting*. 4th. Boston: Pearson, 2018.

Instructional Services

OAN Number:

CTAN Approved: Career Technical Assurance Guide CTMAT010 (2 of 2 courses, both must be taken)

Top of page

Key: 2752