

**MA 163 Course Outline as of Fall 2017****CATALOG INFORMATION**

Dept and Nbr: MA 163 Title: BASIC CLIN SKILLS FOR MA

Full Title: Basic Clinical Skills for Medical Assisting

Last Reviewed: 1/27/2020

| Units   |      | Course Hours per Week |      | Nbr of Weeks | Course Hours Total |       |
|---------|------|-----------------------|------|--------------|--------------------|-------|
| Maximum | 3.00 | Lecture Scheduled     | 2.00 | 17.5         | Lecture Scheduled  | 35.00 |
| Minimum | 3.00 | Lab Scheduled         | 3.00 | 17.5         | Lab Scheduled      | 52.50 |
|         |      | Contact DHR           | 0    |              | Contact DHR        | 0     |
|         |      | Contact Total         | 5.00 |              | Contact Total      | 87.50 |
|         |      | Non-contact DHR       | 0    |              | Non-contact DHR    | 0     |

Total Out of Class Hours: 70.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: MA 163A

**Catalog Description:**

Course focuses on basic clinical medical assisting skills and responsibilities for the clinical area of a medical office or other appropriate medical facility. Covers proper handwashing; use of personal protective equipment; medical and surgical aseptic procedures; vital signs determination; assisting with physical examinations/rooming, including safe transfers, positioning and draping, height, weight, obtaining patient history; disinfection and sterilization techniques; assisting with minor office procedures; application of physical agents to promote tissue healing; patient teaching on ambulatory aids and cast care.

**Prerequisites/Corequisites:**

Completion of MA 160 and MA 161 and MA 162 and PSYCH 1A; AND concurrent enrollment in MA 165 and MA 163L

**Recommended Preparation:**

Eligibility for ENGL 1A or equivalent

**Limits on Enrollment:****Schedule of Classes Information:**

Description: Course focuses on basic clinical medical assisting skills and responsibilities for the

clinical area of a medical office or other appropriate medical facility. Covers proper handwashing; use of personal protective equipment; medical and surgical aseptic procedures; vital signs determination; assisting with physical examinations/rooming, including safe transfers, positioning and draping, height, weight, obtaining patient history; disinfection and sterilization techniques; assisting with minor office procedures; application of physical agents to promote tissue healing; patient teaching on ambulatory aids and cast care. (Grade Only)

Prerequisites/Corequisites: Completion of MA 160 and MA 161 and MA 162 and PSYCH 1A; AND concurrent enrollment in MA 165 and MA 163L

Recommended: Eligibility for ENGL 1A or equivalent

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

|                   |                      |            |           |
|-------------------|----------------------|------------|-----------|
| <b>AS Degree:</b> | <b>Area</b>          | Effective: | Inactive: |
| <b>CSU GE:</b>    | <b>Transfer Area</b> | Effective: | Inactive: |

|               |                      |            |           |
|---------------|----------------------|------------|-----------|
| <b>IGETC:</b> | <b>Transfer Area</b> | Effective: | Inactive: |
|---------------|----------------------|------------|-----------|

|                      |            |           |
|----------------------|------------|-----------|
| <b>CSU Transfer:</b> | Effective: | Inactive: |
|----------------------|------------|-----------|

|                     |            |           |
|---------------------|------------|-----------|
| <b>UC Transfer:</b> | Effective: | Inactive: |
|---------------------|------------|-----------|

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

**Outcomes and Objectives:**

Upon completion of this course, the student will be able to:

1. Demonstrate proper handwashing and proper use of personal protective equipment
2. Demonstrate proper sterilization and disinfection techniques, including surgical instruments and autoclaving
3. Obtain and chart patient vital signs including: oral, axillary, and aural temperatures; apical, radial, and brachial pulses; respiration; blood pressure; and pain level
4. Obtain and chart patient height and weight
5. Transfer patients safely in and out of wheelchairs and on and off exam tables and chairs
6. Room patients including reviewing patient and family history, demographics, chief complaint, review of body systems, and medication review
7. Prepare patients for examination by the provider including proper positioning and draping
8. Assist provider with minor office procedures
9. Demonstrate medical and surgical aseptic techniques including sterile gloving, sterile field preparation, and sterile dressing change
10. Demonstrate proper body mechanics
11. Apply physical agents to promote tissue healing
12. Instruct patients regarding ambulatory aids and cast care
13. Chart all patient care performed
14. Communicate effectively with patients and staff

## Topics and Scope:

- I. Medical Asepsis and the Occupational Safety and Health (OSHA) Standard
  - A. Microorganisms and Medical Asepsis
    - 1. Growth requirements for microorganisms
    - 2. Infection process cycle
    - 3. Protective mechanisms of the body
    - 4. Medical asepsis in the medical office
  - B. OSHA Bloodborne Pathogens Standard
    - 1. Purpose of the standard
    - 2. Needlestick safety and prevention act
    - 3. OSHA terminology
    - 4. Components of the OSHA standard
    - 5. Control measures
  - C. Regulated Medical Waste
    - 1. Handling regulated medical waste
    - 2. Disposal of regulated medical waste
  - D. Bloodborne Diseases
    - 1. Hepatitis B
    - 2. Hepatitis C
    - 3. Other forms of viral hepatitis
    - 4. Acquired immune deficiency syndrome
  - E. Competencies\*
    - 1. Handwashing\*
    - 2. Applying an alcohol based hand rub\*
    - 3. Application and removal of clean, disposable gloves\*
    - 4. Adhere to the OSHA bloodborne pathogen standard\*
    - 5. Prepare regulated waste for pick up by an infectious waste service\*
- II. Sterilization and Disinfection
  - A. Hazard communication standard
    - 1. Hazard communication program
    - 2. Inventory of hazardous chemicals
    - 3. Labeling of hazardous chemicals
    - 4. Safety data sheets (SDS)
    - 5. Employee information and training
  - B. Sanitization
    - 1. Sanitizing instruments
    - 2. Guidelines for sanitizing instruments
  - C. Disinfection
    - 1. Levels of disinfection
    - 2. Types of disinfectants
    - 3. Guidelines for disinfection
  - D. Sterilization
    - 1. Sterilization methods
    - 2. Autoclave
    - 3. Other sterilization methods
  - E. Competencies\*
    - 1. Read and interpret an SDS\*
    - 2. Sanitize instruments\*
    - 3. Chemically disinfect articles\*
    - 4. Wrap articles to be autoclaved\*

5. Sterilize articles in the autoclave

6. Maintain the autoclave

### III. Vital Signs

#### A. Temperature

1. Regulation of body temperature

2. Body temperature range

3. Assessment of body temperature

#### B. Pulse

1. Mechanism of the pulse

2. Assessment of the pulse

#### C. Respiration

1. Mechanism of respiration

2. Assessment of respiration

3. Assessment of oxygen saturation

#### D. Blood pressure

1. Mechanism of blood pressure

2. Assessment of blood pressure: Manual method

3. Assessment of blood pressure: Automatic method

#### E. Competencies\*

1. Measure oral body temperature\*

2. Measure axillary body temperature\*

3. Measure rectal body temperature\*

4. Measure aural body temperature\*

5. Measure temporal artery body temperature\*

6. Measure radial pulse\*

7. Measure apical pulse\*

8. Measure respiration\*

9. Perform pulse oximetry\*

10. Measure blood pressure\*

11. Determine systolic blood pressure by palpation\*

### IV. The Physical Examination

#### A. Preparation of the examining room

#### B. Preparation of the patient

#### C. Measuring weight and height

#### D. Body mechanics

1. Principles

2. Application of body mechanics

#### E. Positioning and draping

#### F. Wheelchair transfer

#### G. Assessment of the patient

1. Inspection

2. Palpation

3. Percussion

4. Auscultation

#### H. Assisting the provider

#### I. Competencies\*

1. Prepare the examining room\*

2. Operate and care for equipment and instruments used during the physical exam\*

3. Prepare a patient for physical exam\*

4. Measure height and weight\*

5. Demonstrate proper body mechanics when standing, sitting and lifting\*

6. Position and drape a patient in each of the following positions:\*

- a. Sitting\*
- b. Supine\*
- c. Prone\*
- d. Dorsal recumbent\*
- e. Lithotomy\*
- f. Sims\*
- g. Knee-chest\*
- h. Fowler's\*

7. Transfer a patient from a wheelchair to the exam table, and back again\*

8. Assist the provider during the physical exam of the patient\*

## V. Physical Agents to Promote Tissue Healing

A. Local application of heat and cold

B. Casts

- 1. Synthetic casts
- 2. Cast application
- 3. Precutions
- 4. Guidelines for cast care
- 5. Symptoms to report
- 6. Cast removal

C. Splints and braces

D. Ambulatory aids

- 1. Crutches
- 2. Canes
- 3. Walkers

E. Competencies\*

1. Apply each of the following heat treatments:\*

- a. Heating pad\*
- b. Hot soak\*
- c. Hot compress\*
- d. Chemical hot pack\*

2. Apply each of the following cold treatments:\*

- a. Ice bag\*
- b. Cold compress\*
- c. Chemical cold pack\*

3. Assist with the application of a cast\*

4. Assist with the removal of a cast\*

5. Instruct a patient in proper cast care\*

6. Apply a splint\*

7. Apply a brace\*

8. Measure a patient for axillary crutches\*

9. Instruct a patient in the proper use of crutches\*

10. Instruct a patient in the proper procedure for each of the following crutch gates:\*

- a. Four-point\*
- b. Two-point\*
- c. Three-point\*
- d. Swing-to\*
- e. Swing-through\*

11. Instruct a patient in the use of a cane\*

12. Instruct a patient in the use of a walker\*

## VI. Minor office surgery

A. Surgical asepsis

B. Instruments used in minor office surgery

1. Scapels
  2. Scissors
  3. Forceps
  4. Miscellaneous instruments
  5. Gynecologic instruments
  6. Care of surgical instruments
- C. Commercially prepared sterile packages
- D. Wound healing
- E. Sterile dressing change
- F. Sutures
1. Types of sutures
  2. Suture size and packaging
  3. Suture needles
  4. Insertion of sutures
  5. Suture removal
  6. Surgical skin staples
  7. Adhesive skin closures
- G. Assisting with minor office surgery
1. Tray set up
  2. Skin preparation
  3. Local anesthetic
  4. Assisting the provider
- H. Medical office surgical procedures
1. Sebaceous cyst removal
  2. Surgical incision and drainage of localized infections
  3. Mole removal
  4. Laser mole surgery
  5. Needle biopsy
  6. Ingrown toenail removal
  7. Colposcopy
  8. Cervical punch biopsy
  9. Cryosurgery
- I. Bandaging
1. Guidelines for application
  2. Types of bandages
  3. Bandage turns
  4. Tubular gauze bandages
- J. Competencies\*
1. Apply and remove sterile gloves\*
  2. Open a sterile package\*
  3. Add an article to a sterile field\*
  4. Pour a sterile solution\*
  5. Change a sterile dressing\*
  6. Remove sutures\*
  7. Remove surgical staples\*
  8. Apply and remove adhesive skin closures\*
  9. Set up a tray for each of the following procedures:\*
    - a. Suture insertion\*
    - b. Sebaceous cyst removal\*
    - c. Incision and drainage of a localized infection\*
    - d. Mole removal\*
    - e. Needle biopsy\*

- f. Ingrown toenail removal\*
  - g. Colposcopy\*
  - h. Cervical punch biospy\*
  - i. Cryosurgery\*
10. Assisit the provider with minor office surgery\*
  11. Apply each of the following bandage turns:\*
    - a. Circular\*
    - b. Spiral\*
    - c. Spiral-reverse\*
    - d. Figure-eight\*
    - e. Recurrent\*
  12. Apply a tubular gauze bandage\*

\*These items are introduced in lecture, and the related skills are performed in the lab.

**Assignment:**

Lecture Related Assignments:

1. Homework Problems:
  - a. Critical thinking homework assignments, 2-10 per week
  - b. Vocabulary assessment, 10-20 words per week
2. Completion of 6-8 unit exams and one final exam
3. Weekly reading 20-30 pages

Lab Related Assignments:

1. Activities:
  - a. Critical thinking skill applications, 3-5 applications per week
  - b. Charting related to competencies, 1-3 per competency
2. Practice weekly clinical skill competencies in lab setting under instructor supervision
3. Clinical skill performance evaluation in simulated lab setting

**Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because skill demonstrations are more appropriate for this course.

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems

Problem solving  
20 - 30%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Clinical skill performance evaluation

Skill Demonstrations  
40 - 50%

**Exams:** All forms of formal testing, other than skill performance exams.

Unit exams and final exam

Exams  
20 - 30%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**

Clinical Procedures for Medical Assistants. 9th ed. Bonewit-West, Kathy. Elsevier. 2014  
Instructor prepared materials