





# BROWARD COMMUNITY COLLEGE

## COURSE OUTLINE

### **ASSESSMENT:**

Please provide a brief description (250 characters maximum) that details how students will be assessed on the course outcomes.  
**Assignments, projects, comprehensive/cumulative unit exams, comprehensive/cumulative final exam**



# BROWARD COMMUNITY COLLEGE

## COURSE OUTLINE

Common Course Number: RAT 1001

### UNITS

#### **Unit 1** Broward Community College Radiation Therapy Program

##### **General Outcome:**

- 1.0 The student shall: be able to discuss his/her role and responsibility both in the academic and the clinical setting.**

##### **Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 1.1 Identify the administrative structure of Broward Community College.**
- 1.2 Define the students' responsibilities in the academic setting.**
- 1.3 Define the students' responsibilities in the clinical setting**
- 1.4 Explain student rights.**
- 1.5 Define Ethics**
- 1.6 Discuss the radiation therapist Scope of Practice**
- 1.7 Discuss the Code of ethics of both radiographers and radiation therapist**
- 1.8 Discuss patient rights.**
- 1.9 Define informed consent.**
- 1.10 Discuss confidentiality as it relates to patient information obtained through treatment.**
- 1.11 Define HIPAA**
- 1.12 Explain professional liability**
- 1.13 Define moral, legal and professional conduct**



# BROWARD COMMUNITY COLLEGE

## COURSE OUTLINE

Common Course Number: RAT 1001

### UNITS

#### Unit 2 Historical background of radiation oncology and medicine

##### General Outcome:

- 2.0 The student shall: be able to discuss the historical background of medicine in general and specifically in radiation oncology as it pertains to the patient.

##### Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 2.1 Differentiate between types of hospitals and cancer centers.
- 2.3 Explain the accomplishments of Wilhelm Roentgen.
- 2.4 Explain the accomplishments of the Curies.
- 2.5 Explain the accomplishments of Becquerel.
- 2.6 List the sequence of events in the development of external radiation therapy.



# BROWARD COMMUNITY COLLEGE

## COURSE OUTLINE

Common Course Number: **RAT 1001**

### UNITS

#### Unit 3 Organizations

##### General Outcome:

- 3.0 The student shall: be able to discuss the organizations related to the accreditation, credentialing, licensing, and education pertaining to radiation oncology.**

##### Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 3.1 Define accreditation**
- 3.2 Define Credentialing**
- 3.3 Define licensing agencies**
- 3.4 Identify the following national organizations and their duties.**
  - A. American Registry of Radiologic Technologists**
  - B. Joint Review Committee on Education in Radiologic Technology**
  - C. American Medical Association**
  - D. American Society of Radiologic Technologists**
  - E. American College of Radiology**
  - F. American Society of Therapeutic Radiologists**
  - G. American Association of Physicists in Medicine**
  - H. American Association of Medical Dosimetrists**
  - I. Radiological Society of North America**
- 3.5 Discuss the State of Florida HRS agency and the requirements of licensure.**
- 3.6 Identify the Florida Society of Radiologic Technologists**
- 3.7 Discuss the local radiation therapy society.**



# BROWARD COMMUNITY COLLEGE

## COURSE OUTLINE

Common Course Number: RAT 1001

### UNITS

#### Unit 4 Personnel of hospitals and radiation oncology departments

##### General Outcome:

- 4.0 The student shall: be able to identify hospital and radiation oncology personnel and their relationship to the patient.

##### Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 4.1 Illustrate the hospital organization.
- 4.2 Describe the interaction of each of the following departments with radiation oncology:
- F. Infusion Therapy
  - G. Physical Therapy
  - H. Occupational Therapy
  - I. Diagnostic Radiology
  - J. Lab/Pathology
  - K. Dietary
  - L. Nursing
  - M. Social Services
  - N. Occupational Therapy
  - O. Transport
- 4.3 Identify the organizational chart for radiation oncology.
- 4.4 Identify the responsibility of the following radiation oncology personnel.
- A. Oncologist
  - B. Department head
  - C. Physicist
  - D. Dosimetrist



# BROWARD COMMUNITY COLLEGE

## COURSE OUTLINE

- E. Chief Therapist**
- G. Therapists**
- I. Simulator Therapist**
- J. Nurses**
- K. Support Supervisor**
- L. Secretary**
- M. Receptionist**
- N. Dietitian**
- O. Social Worker**
- P. Tumor Registrar**
- Q. Block cutter**
- 4.5 Discuss career development opportunities in radiation oncology**



# BROWARD COMMUNITY COLLEGE

## COURSE OUTLINE

Common Course Number: **RAT 1001**

### UNITS

#### **Unit 5** General cancer information

##### **General Outcome:**

**5.0 The student shall: be able to briefly discuss cancer statistics, the causes and the method of detection.**

##### **Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

**5.1 Define cancer**

**5.2 Discuss carcinogenic factors**



# BROWARD COMMUNITY COLLEGE

## COURSE OUTLINE

Common Course Number: **RAT 1001**

### UNITS

#### **Unit 6 Psychological, sociological and economical aspects of cancer**

##### **General Outcome:**

**6.0 The student shall: be able to discuss the impact a diagnosis of cancer has on a patient from the psychological, sociological, and economical aspect.**

##### **Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 6.1 List the normal psychological response to a cancer diagnosis.**
- 6.2 Explain concerns the cancer patient experiences.**
- 6.3 Identify the sociological problems encountered with a cancer diagnosis.**
- 6.4 Explain the economic impact of the diagnosis**
- 6.5 Discuss the necessity for support services and group affiliations**
- 6.6 Define the need for and function of hospice.**
- 6.7 Discuss the relationship between student/therapist and the patient, patient's family and/or patient's friends**



# BROWARD COMMUNITY COLLEGE

## COURSE OUTLINE

Common Course Number: **RAT 1001**

### UNITS

#### **Unit 7** Cancer management

##### **General Outcome:**

- 7.0 The student shall: be able to discuss the choice of cancer management with emphasis on radiation oncology.**