

Bergen Community College

ASSESSMENT REPORT FORM FOR ACADEMIC PROGRAM

Assessment Period: 2015 -2017

Department/Program: Health Professions / Surgical Technology Program

Department Chair: Professor Joseph Mamatz

Department Assessment Liaison: Mary Chmielewski

Date Submitted: 4/30/2017

Program Description or mission/goal statement of the Department/Program:

- * The Surgical Technology Certificate program at Bergen Community College is the only community college program in the state of New Jersey and the first program to be nationally accredited. Major hospitals throughout New Jersey and the entire Eastern seaboard seek graduates of the Surgical Technology Program, often months before graduation. New facilities include an integrated three room suite incorporating a state-of-the-art classroom, fully equipped “mock” operating room reflective of a real hospital OR, and a sterilization/prep room. Students learning in this type of environment are better prepared to enter their clinical externship because of the hands-on practice and real life situations taught here.
- * The Surgical Technology program is accredited by the Accreditation Council on Education in Surgical Technology and Surgical Assisting, a Committee of the Commission on Accreditation of Allied Health Education Programs (CAAHEP)

❖ **Program Learning Outcomes:**

Upon completion of the program, the graduate must be:

- * Deliver professional and compassionate care for all patients.
- * Communicate professionally.
- * Use learned critical skills for problem solving.
- * Perform as a Level 1 surgical technologist.
- * Practice using the legal and ethical framework of the profession.
- * Seek continued activities for the pursuit of professional development.
- * Meet the needs of the diverse community
- * Develop an interdisciplinary relationship between support service departments to offer improved communication and deliver professional and compassionate patient care.

SEMESTER 1: CREATING PROGRAM-LEVEL ASSESSMENT PLAN

1. Program Learning Outcome(s) to be assessed (from the above section):

Develop an interdisciplinary relationship between support service departments to offer improved communication and deliver professional and compassionate patient care.

Interact effectively with the other students in a team effort to develop activities to promote an exciting and educational presentation for student learning.

2. Means of Assessment:

Data will be collected and analyzed by:

Informal dialogue with students.

Debriefing on the information provided.

Interdisciplinary assessment form (See attachment).

The information provided will be incorporated in the lecture and exam from that particular specialty service.

- **Feedback from Dean:**

SEMESTER 2: DEVELOPING ASSESSMENT TOOL (s) and TIMELINE

3A. Describe or attach assessment tool (s), including sources of data, timeline for data collection and how data will be analyzed.

The collaborative demonstration is implemented once a year with each discipline as taught in surgical technology lecture to integrate the lesson with the specialty of the department.

The surgical technology students collaborated with:

- * Professor Romano's Radiography Students
- * Professor Figliolina's Medical Office Assistant Students
- * Professor Horgan's Respiratory Care Students
- * Professor Mccarthy's Paramedic Students

* Professor Collins-Elsier's Ultrasonography

Students from the various health professions programs met, presented a lecture, and created a scenario (role play) as to a specific circumstance that can arise in the operating room. They demonstrated how each member of the healthcare team must work together to achieve a desirable outcome. Each professor brought in their expertise to lecture and the students provided the clinical objectives needed.

- * Surgical Technology / Radiography- The surgical technology students performed a Laparoscopic Cholecystectomy with a diagnosis of Cholelithiasis. During this procedure a Cholangiography is performed by the radiography students to identify any stones present in the common bile duct. The surgical technology students demonstrated sterile technique protocol in the operating room; how to maneuver around in the operating room with a fluoroscopy machine without contaminating the surgical field, and how to prepare the necessary equipment and supplies needed to assist with x-ray technique. The radiography students instructed the surgical technology students on the dangers of fluoroscopy x-rays and the various positioning of their equipment required to take an appropriate film so the patient and staff is not exposed to unnecessary radiation.
- * Surgical Technology / Medical Office Assistant- The surgical technology students demonstrated a mock laparoscopic cholecystectomy procedure using the set up and instrumentation to instruct. The medical office assistant students had the opportunity to work hands-on with the instrumentation. They educated the surgical technology students in medical terminology and reviewed the terms and anatomy associated with a laparoscopic cholecystectomy procedure. A Case report was also presented to both disciplines as a homework assignment prior to the presentation to provide information in regards to the case. (See attachment)
- * Surgical Technology / Respiratory Care – The surgical technology students illustrated sterile technique in the operating room. They educated the students on how to maneuver around the operating room without contaminating the sterile field. In addition, they provided instruction on the proper technique to open sterile supplies that may be necessary to help with anesthesia in a respiratory crisis. The respiratory students discussed intubation, the anatomy of the head and neck and provided a demonstration on how to intubate the surgical patient and outlined why the surgical technologist is an important part of the surgical team.
- * Surgical Technology / Paramedics- The surgical technology students demonstrated setting up the sterile surgical field, opening sterile supplies and performed a mock surgery. This contributed to their knowledge of what happens to the patient when they complete immediate emergency care. The paramedic students defined and demonstrated vital signs that are used in both professions. They detailed the equipment used to monitor and record a patient's vital signs; and demonstrated how to properly record temperature, pulse rate, respiration, and blood pressure values. Professor McCarthy also presented a brief talk on common emergencies and how each of us can help to expedite the situation prior to the paramedics arriving.

3B. Desired results faculty would like to see.

Demonstrate their clinical skills competently.

Display a thorough understanding of teamwork and purpose to achieve the desired results

Develop an appreciation for other healthcare professionals' roles in the clinical setting to provide exceptional patient care.

Successfully implement self-directed teams

- **Feedback from CIE:**

SEMESTER 3: COLLECTING AND ANALYZING DATA

4. Summary of Results (attach aggregated data table, survey tool, etc., to support the summary)

Dates	% of Surgical Technology students that participated	% of Surgical Technology students that found the presentation informative	% of Surgical Technology students that would like to see this initiated into the program every year
2015-2016	18	100%	100%
2016-2017	23	100%	100%

5. Recommendations for Improvement:

We would like to modify the lesson and incorporate all Health Care and related disciplines together in the following ways:

After a discussion with our faculty (Mary Senor-Director of the Surgical Technology program, Marisa Mickiewicz and Jeanne Fall- two of our faculty) along with the other departments, we worked collaboratively to draft a case study on a Cholecystectomy and conversation to expand the collaborative lesson.

- * Present a case study of a patient with cholelithiasis (stones in the gallbladder) and draft a schedule in which the patient will be assessed at each class/lab. We will modify the case study to accommodate each discipline.

- * Dental Hygiene Students- The patient goes to the dentist for a check-up/cleaning/oral screening while there presents with intense chest pain. The dental hygiene students will demonstrate the above competencies. From there the Paramedics are called.
- * Paramedic Students- They will provide an emergency medical assessment and treatment to stabilize the patient before they are taken to the hospital. The students will demonstrate their competencies. From there the patient is taken to the emergency room where they will receive a history and physical and lab tests ordered for a diagnosis.
- * MOA Students- will explain and perform a history and physical and a lab work up. From here the patient will go to Radiology for an x-ray and ultrasound of the gallbladder.
- * Radiography students- they will perform an x-ray of the GB.
- * Ultrasonography- they will perform an ultrasound of the GB.
- * All the test results are indicative of an inflamed GB with stones. He has been diagnosed with Cholecystitis and Cholelithiasis and needs to have emergency surgery.
- * Respiratory Care Students- will intubate the patient, and present a lesson on intubation
- * Surgical Technology Students will demonstrate removal of the GB.

Dr. John Poole Board Certified General Surgeon, President of the N.J. American Medical Association and our new Advisory Board Physician expressed interest in participating in the collaborative demonstration. He would like to present a brief lecture on the GB and work with all disciplines. From the response of our students they found this experience educational, engaging, and useful and recommended it should be continue to be incorporated into our curriculum for the following year. They expressed it also promotes a connection with the other students.

The presentation is a very early draft and wide open to any changes or expansions that our disciplines would like to add.

At the end of the presentation we would like to incorporate interactive questions interspersed in each activity.

- **Feedback from Dean:**

SEMESTER 4: CLOSING THE LOOP AND SHARING KNOWLEDGE

6. Use of Results:

We shared the results with all faculty involved and the collaborative teaching experience was also discussed at our Advisory Board Meeting. Our physician on the Advisory Board, Dr. John Poole, who is also a Board Certified General Surgeon and President of the AMA of NJ, expressed interest in

participating next semester in this collaborative demonstration. We are currently in the process in determining on how we will incorporate his experience into the program next semester.

From our experience we revised the lesson to incorporate all disciplines for the future semesters and will incorporate with the above lesson for the Fall of 2017-2018.

- **Feedback from CIE:**