

Common Course Outline
PEAQ 115
Pool Operator Certification
One Semester Hour

The Community College of Baltimore County

Description

Pool Operators Certification provides the pool operator with the skills and training to properly care for and maintain safe and healthy pools, spas, and hot tubs. The student learns correct sanitation, filtration, and water chemistry procedures and information on accident prevention, record keeping, and safety equipment. At the satisfactory completion of the course the student will become a certified pool/spa operator in Baltimore County and other counties that have approved this course. \$110 lab fee covers certification exam. 1 credit: 1 lecture hour per week.

Overall Course Objectives

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

- 1) manage the day-to-day operations of a pool/spa facility;
- 2) demonstrate pool and spa maintenance;
- 3) analyze and maintain water chemical balance;
- 4) explain the five components of water balance;
- 5) explain terms such as backwashing, hairstrainer, flowmeter, turnover rates, and flow rates;
- 6) demonstrate the use of the basic components for any pool/spa system; including sanitation, circulation, and filtration;
- 7) develop a list of pool rules for an aquatic facility;
- 8) create a complete pool/spa first aid kit;
- 9) maintain a safe and healthful pool environment;
- 10) reduce liability issues;
- 11) calculate water balance parameters for swimming, wading, therapy pools, and spas in Maryland; and
- 12) demonstrate the proper methods of winterization for pool/spa.

Major Topics

- I. The Pool and Spa Operator as Manager
- II. Pool/Spa Codes
- III. Water Chemistry
- IV. Water Sanitizing and Chemical Balance
- V. Specialty Chemicals, Special Problems
- VI. Water Testing and Adjustment
- VII. Pool Circulation Equipment
- VIII. Filters & Filtration
- IX. Chemical Feeders
- X. Seasonal Care and Maintenance
- XI. Hot Water Chemistry and Spas
- XII. Legal Liability Issues
- XIII. Record Keeping
- XIV. Energy Conservation

- XV. Renovation & Modernization
- XVI. Safety & Health Issues
- XVII. Disease & Accident Prevention

Course Requirements

Grading/exams/writing assignments: Grading procedures will be determined by the individual faculty member but will include the following:

- Class attendance and participation
- Assigned Readings
- Exercises to include:
 - Development of a list of potential pool rules;
 - A pool management project; and
 - Development of a list of necessary first aid kit supplies.

This course has two exams. The first is for pool/spa operators certification and the second is over the remaining material covered in class.

Other Course Information

This is a minimum course outline. Individual instructors have the right to add additional requirements.

The Community College of Baltimore County is committed to providing a high-quality learning experience that results in knowledge, attitudes, and skills necessary to function successfully as a transfer student, in a career and as a citizen. To accomplish this goal, we maintain high academic standards and expect students to accept responsibility for their individual growth by attending classes, completing all homework and other assignments, participating in class activities and preparing for tests.

We take seriously our responsibility to maintain high-quality programs and will periodically ask you to participate in assessment activities to determine whether our students are attaining the knowledge, attitudes and skills appropriate to various courses and programs. The assessment activities may take many forms such as surveys, standardized or faculty-developed tests, discussion groups or portfolio evaluations. We ask that you take these activities seriously so that we can obtain valid data to use for the continuous improvements of CCBC's courses and programs.