

Piedmont Technical College Course Syllabus

COURSE INFORMATION

Course Prefix/Number: CVT 145

Title: Non-Invasive Clinical II Applications

Responsible Division: Health Care Division

Last Day to Withdraw from this Course: For the last date to withdraw from this course, consult the current *Student Calendar*.

Course Description:

For course, credit hour, pre-requisite(s) and co-requisite(s) information, visit the Detailed Course Information page: www.ptc.edu/courses/CVT145.

Textbook and Other Materials:

For textbook information and additional required and/or supplemental materials, visit the [college bookstore](http://www.ptc.edu/bookstore) (www.ptc.edu/bookstore).

Proctored Examinations:

Proctored examinations for distance learning courses taken at non-PTC campuses may require a proctoring fee for each exam taken.

COURSE POLICIES

Course policies are available online through the *Academic Catalog* and *Student Handbook*. Visit the [Course Policies page](http://www.ptc.edu/syllabus/policies) (www.ptc.edu/syllabus/policies) for a detailed list of important policies and more information.

GRADE POLICY

Detailed grading policy information can be found on the [Grading Policy webpage](http://www.ptc.edu/grading-policy) (http://www.ptc.edu/grading-policy). Final grade appeal information is available in the [Academic Catalog](http://www.ptc.edu/catalog/) (http://www.ptc.edu/catalog/).

ACCOMMODATIONS

Accommodations for ADA:

Information is available on the [Student Disability Services webpage](http://www.ptc.edu/ada) (<http://www.ptc.edu/ada>).

TITLE IX HARASSMENT AND SEXUAL ASSAULT INFORMATION

In accordance with Title IX of the Education Amendments of 1972, Piedmont Technical College does not discriminate on the basis of sex in its education programs or activities. Title IX protects students, employees, and applicants from sex discrimination in admissions and employment to include discrimination based on gender identity or failure to conform to stereotypical notions of masculinity or femininity. More information regarding Title IX, including contact information for the Title IX coordinators, is available at [Title IX Harassment and Sexual Assault Information](https://www.ptc.edu/about/legal-disclosures/title-ix-harassment-and-sexual-assault-information) (<https://www.ptc.edu/about/legal-disclosures/title-ix-harassment-and-sexual-assault-information>).

RATIONALE

Why do I need this course?

The echocardiography student will gain real world experience in various clinical settings. Students will perform echocardiograms on patients extending the protocol when pathology is detected.

PROGRAM INFORMATION

For program information including required courses, program learning outcomes, gainful employment information and advisement information, refer to the Academic Program webpage. Go to [Academics](http://www.ptc.edu/academics) (<http://www.ptc.edu/academics>), select your program, and then select Credentials Offered.

COURSE STUDENT LEARNING OUTCOMES

Upon successful completion of this course and/or clinical, each student will be able to:

- Integrate clinical information (ie. Patient assessments, history and physicals, and lab values) into the investigation of the heart by echocardiography
- Demonstrate the ability to complete a transthoracic echocardiogram following the designated protocol utilizing 2D, M-Mode, color Doppler, spectral Doppler (continuous and pulsed wave) in a reasonable amount of time on a variety of patients with different body habitus'
- Investigate the heart by echocardiography in search of pathology.
- Demonstrate how to extend a protocol when any pathologic process is identified
- Analyze the echocardiogram for abnormalities and communicate the findings to the instructor or preceptor by oral and written methods
- Demonstrate appropriate affective behavior in a clinical environment

GENERAL EDUCATION COMPETENCIES

Piedmont Technical College General Education Competencies for All Graduates:

This course may address one or more of the following General Education Competencies (assessment will be stated when applicable):

Communicate effectively.

Assessment:

N/A

Apply mathematical skills appropriate to an occupation.

Assessment:

Interpret the value reference guide

Employ effective processes for resolving problems and making decisions.

Assessment:

Affective, Cognitive, Psychomotor Evaluation

Demonstrate the basic computer skills necessary to function in a technological world.

Assessment:

Affective, Cognitive, Psychomotor Evaluation

To validate proficiency in the general education competencies, students in some programs will be tested using Work Keys.