

Course objective	Geisel competency	Course Objective
1	1a	Describe the pathophysiology of common and major diseases of the cardiovascular organ system.
2	1a,1b	Recognize the molecular basis of cardiac contractility and electrophysiology, and describe how abnormalities of these mechanisms produce important cardiovascular diseases.
3	1c	Describe the clinical presentations (symptoms and signs) of the most common diseases of the cardiovascular system.
4	1c	Explain the basis for various approaches to the treatment of the common cardiovascular disease, including behavioral, pharmacological, and interventional strategies.
5	1c,1e,6c,6h	Examine large epidemiological and multicenter outcomes studies relevant to the common cardiovascular disease, and describe how they have altered our approach to the treatment of major cardiovascular diseases.
6	1d, 1e, 2a, 2b, 3a, 3d, 4a	Interview a person with coronary risk factors, counsel that individual on how to reduce the risk, and write a paper describing and reflecting on the experience. ("Coronary Prevention Project")
7	1a, 1c, 2h	Describe and recognize the common and important electrocardiographic abnormalities and arrhythmias.
8	1c, 1e, 2h	Compare the strengths and weaknesses of several imaging modalities that can be useful in the identification and management of cardiovascular diseases.
9	1d,1f	Describe the psychological factors that affect patients with coronary disease and persons at risk of developing coronary disease.
10	2c	Be able to explain and identify explain auscultatory findings associated with common valvular and congenital heart abnormalities.
11	1a	Describe the essential pathological features of common and important cardiovascular diseases, including hypertension, cardiomyopathy, pericardial disease, ischemic heart disease, and valvular heart disease.
12	1a,1c	Recognize the importance of genetic factors in the production of certain cardiovascular diseases.
13	1a,1b,1c	Find, read, evaluate, and discuss recent articles and other sources of information about cardiovascular diseases and treatments for conference and PBL groups.
14	2d,2e	Practice and demonstrate systematic problem-solving skills with regard to patients with cardiovascular disease.
15	3f,3g,4a,4b,4d,4f	Communicate effectively with fellow students and faculty about patients with cardiovascular disease.
16	5c,5d,6a,6c,6d,6h	Describe how the quality of patient care can be increased by improving the processes of patient care.
17	6g	Discuss the implications of regional variations in delivery of health care for important cardiovascular diseases such as ischemic heart disease (e.g. as described in the Dartmouth Atlas).
18	4j	Reflect on your personal experience relating to patients suffering from cardiovascular disease.
19	1c,1e,1f	Describe the ways in which a knowledge of cardiovascular epidemiology contributes to the diagnosis and treatment of patients with cardiovascular disease.
20	2a,2b,3a,3d,3e,4j	Demonstrate ability to communicate with cardiac patients and persons at risk for the development of coronary disease.
21	6i	Discuss important racial, gender and socioeconomic disparities in healthcare delivery.