



PROGRAMA DE PÓS-GRADUAÇÃO EM ENFERMAGEM - FENF

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COURSE PROGRAM - 2025/1ST SEMESTER

CÓDIGO: EG 167 (Graduate Course) e EN 910 (Undergraduate Course) -

NOME: SIMULATION TRAINING IN CARDIOLOGY

COURSE DESCRIPTION: Health professionals are responsible for implementing, managing and evaluating the health care provided to patients with cardiovascular diseases and therefore, they constantly need to update and train their skills. Simulation is a teaching strategy that ensures patient safety, knowledge retention, as well as promoting clinical reasoning, communication, and teamwork. The goal of this course is to develop interprofessional care skills in cardiovascular diseases through simulation. The content of this course focuses on the theoretical bases of cardiology, mainly on the topics of acute myocardial infarction, stroke, and cardiorespiratory arrest.

PERIOD: February 24 to June 16, 2025.

SCHEDULED HOURS: 3 hours per week, Monday, between 0900-1200

LOCATION: Faculdade de Enfermagem

PROFESSOR RESPONSÁVEL

Profa. Dra. Rafaela Batista dos Santos Pedrosa

ASSINATURA

COORDENADORA DA COMISSÃO DO PROGRAMA DE PÓS-GRADUAÇÃO

Profa. Dra. Renata Cristina Gasparino

DIRETOR DA UNIDADE

Profa. Dra. Roberta Cunha Matheus Rodrigues

I - LEARNING OBJECTIVES

Upon successful completion of the course students will be able to:

1. Discuss and critically analyze the use of simulation for teaching in cardiology;
2. Develop teamwork and communication skills to care for patients with cardiovascular disease;
3. Analyze the importance on interprofessional education and collaborative practice for patient safety.

II - PROGRAM CONTENT

- The theoretical bases for cardiology care
- Guidelines for caring for patients in cardiopulmonary arrest
- Guidelines for caring for patients with Acute Myocardial Infarction
- Guidelines for caring for patients with stroke

III – METHODOLOGY

Lecture, discussion, self-directed learning, guest speakers, interactive activities, hands-on classes in laboratory, interprofessional simulation.

IV – COURSE ASSIGNMENTS

For assignments in this course, students are strongly encouraged to participate in discussions of topics and participation in simulation scenarios to develop skills for interprofessional education and collaborative practice.

V - EVALUATION

Scholarly papers, facilitated presentation, completion of learning modules.

VI – REQUIRED TEXTBOOKS

1. INACSL Standards Committee, Hallmark, B., Brown, M., Peterson, D.T., Fey, M., & Morse, C. Healthcare Simulation Standards of Best Practice Professional Development. Clin Simul Nurs. 2021;58:5-8.
2. Collet JP, Thiele H, Barbato E, Barthélémy O, Bauersachs J, Bhatt DL, et al. 2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. Eur Heart J. 2021;42(14):1289-1367.
3. Powers WJ, Rabinstein AA, Ackerson T, Adeoye OM, Bambakidis NC, Becker K, et al. Guidelines for the Early Management of Patients With Acute Ischemic Stroke: 2019 Update to the 2018 Guidelines for

the Early Management of Acute Ischemic Stroke: A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association. *Stroke*. 2019;50(12):e344-e418.

4. Panchal AR, Bartos JA, Cabañas JG, Donnino MW, Drennan IR, Hirsch KG, et al. Part 3: Adult Basic and Advanced Life Support: 2020 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2020;142(16_suppl_2):S366-S468.

5. Nicolau JC, Feitosa Filho GS, Petriz JL, Furtado RHM, Prêcoma DB, Lemke W. Brazilian Society of Cardiology Guidelines on Unstable Angina and Acute Myocardial Infarction without ST-Segment Elevation - 2021. *Arq Bras Cardiol*. 2021;117(1):181-264.

6. Bernoche C, Timerman S, Polastri TF, Giannetti NS, Siqueira AWDS, Piscopo A. Atualização da Diretriz de Ressuscitação Cardiopulmonar e Cuidados Cardiovasculares de Emergência da Sociedade Brasileira de Cardiologia - 2019. *Arq Bras Cardiol*. 2019;113(3):449-663.

VII – RECOMMENDED SUPPLEMENTAL TEXTBOOKS:

1. Gulati M, Levy PD, Mukherjee D, Amsterdam E, Bhatt DL, Birtcher KK, et al. 2021 AHA/ACC/ASE/CHEST/SAEM/SCCT/SCMR Guideline for the Evaluation and Diagnosis of Chest Pain: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines. *Circulation*. 2021;144(22):e368-e454.

2. Merchant RM, Topjian AA, Panchal AR, Cheng A, Aziz K, Berg KM, et al. Adult Basic and Advanced Life Support, Pediatric Basic and Advanced Life Support, Neonatal Life Support, Resuscitation Education Science, and Systems of Care Writing Groups. Part 1: Executive Summary: 2020 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2020;142(16_suppl_2):S337-S357.