

SYLLABUS

Program	Medicine
TRACK	Surgery
COURSE	Skills Laboratory II
CODE AND CREDITS	33247-02
HOURS	30
TERM:	Starting in 2017/1

OBJECTIVES: This course is intended to be a teaching and learning alternative providing students with an advance perspective on the skills needed to deal with patients. These skills incorporate the principles of bioethics and are developed through supervised activities. These activities will address the theoretical and practical aspects of future professionals.

COURSE DESCRIPTION:

This course will address the simulation of medical skills in diagnosis and treatment, in various specialties (anesthesiology, surgery, clinic, gynecology, obstetrics and pediatrics). These practices will integrate urgency, emergency and intensive care training into increasing complex scenarios.

METHODOLOGY:

Practicum work will be developed with faculty and assistants using simulation models (life-size dolls, machines, etc.). Students will be given a practical test and their posture will be evaluated.

THEORY AND PRACTICUM ACTIVITIES:

Difficult Airways

- Bougie and retrograde tracheal intubation;
- Combitube and cricothyrotom.

- Mechanical ventilation

- Indications for mechanical ventilation, adjustments to the mechanical ventilator, ventilation modes, complications of mechanical ventilation;
- Identification of ventilatory mode, mechanical ventilator settings, case discussion.

- Anesthesia

- General anesthesia.
- Inhalational and venous anesthetics components and curare.

- Surgical Skills in Obstetrics and Gynecology

- Surgical instruments in gynecology / obstetrics outpatient clinics and operating room;

Department's Stamp and Signature:

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- Suture threads, surgical wound closures.
- Thoracentesis, lumbar puncture and paracentesis
- Lumbar puncture;
- Paracentesis, thoracentesis.

BIBLIOGRAPHY:

BASIC:

1. Partin W, Dorroh C. Chapter 7. **Emergency Procedures**. In: Stone C, Humphries RL. eds. CURRENT Diagnosis & Treatment, Emergency Medicine, 7e. New York, NY: McGraw-Hill; 2011. ISBN 97800071701075.
2. BEREK, J.S. Novak – Tratado de Ginecologia. 14ª.ed. Rio de Janeiro: Guanabara Koogan; 2008. ISBN: 9788527714396.
3. DOHERTY, G.M. – Current Diagnosis & Treatment: Surgery, 13th ed. The McGraw-Hill Companies, 2010 - ISBN 978-0-07-159087-7.

COMPLEMENTARY:

1. FINUCANE, B.T.; TSUI, B.C.H.; SANTORA, A.H. – The difficult airway. In: Principles of Airway Management. 4th edition. New York. Springer; 2011, Chapter 9, p. 362-414.
2. A LIPPINCOTT. WILLIAMS E WIKINS. Clinical Anesthesia Procedures of the Massachusetts General Hospital; 7ª Ed. 2006.
3. SLUTSKY, A.S.; HUDSON, L.D. Mechanical ventilation. In: Goldman L, Ausiello D, editors. Cecil medicine. 23rd.ed. Philadelphia: Saunders-Elsevier; 2008. p.734-41.
4. MANICA, J. et al. Anestesiologia: princípios e técnicas. 3ª. ed. Porto Alegre: Artmed; 2004.
5. KNOBEL, Elias. Conduitas no paciente grave. 3. ed. São Paulo: Atheneu, 2006.

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- Thomsen, T.W. ET AL. **Thoracentesis**. N Engl J Med. 2006; 355:e16.
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- SCHAFFER, J.J.; GONZALES, R. **Difficult airway management for intensivists**. In: Fink MP, Abraham E, Vincent J-L, Kochanek P. Textbook of critical care (Shoemaker). 5th.ed. Philadelphia: Saunders-Elsevier; 2005. p.1743-55.
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Websites:

- http://circ.ahajournals.org/content/122/18_suppl_3.toc
- <http://www.viaaereadificil.com.br/>

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