

**DEPARTMENT OF SURGERY
COLLEGE OF MEDICINE – PHILIPPINE GENERAL HOSPITAL**

**Surg 251 (Integrated Clinical Clerkship II in Surgery)
AY 2023-2024**

COURSE GUIDE

COURSE DESCRIPTION

Surgery 251 is a 4-week course which will involve your direct participation in the inpatient care of surgical patients. You will be rotating for one week each in the three general surgery services(GS1, GS2, GS3) and the Trauma service. During your rotation, you will be assigned ward, operating room, and emergency room posts which will allow you to be directly involved in the actual care of patients. Enjoy your rotation and stay safe!

COURSE LEARNING OUTCOMES

This course aims to provide an avenue for students to apply their knowledge of the pathophysiology of the common surgical disorders, and the principles of diagnosis and management, in the actual care of patients under supervision of consultants or residents.

After completing this course, you should be able to:

- 1) Apply basic surgical principles in the pre-operative and post-operative care of actual patients
- 2) Integrate the pathophysiology of the patient's disease to the history and physical examination findings to arrive at a clinical diagnosis and differentials of common surgical disorders and surgical emergencies
- 3) Propose a diagnostic and therapeutic plan for common surgical disorders and surgical emergencies
- 4) Effectively communicate to a patient and his relatives the clinical situation and the need for diagnostic and therapeutic measures
- 5) Organize relevant medical information in an electronic data record
- 6) Assist in the performance of operations both medium and major
- 7) Perform procedures with the supervision of a consultant or a resident
- 8) Develop the values of professionalism, teamwork, and patient safety in managing patients as part of a medical team

COURSE OUTLINE

- I. Asynchronous Activities
 - A. Videos
 - B. Reading materials
- II. Synchronous Activities
 - A. Conferences
 1. Department of Surgery Conference
 2. Division of Conferences
 - B. Small group discussion
- III. Hospital Duties
 - A. Operating Room
 - B. Emergency Room
 - C. Wards

MODE OF DELIVERY

This course will use blended learning as its teaching strategy. Materials for learning will be uploaded in the UP Manila VLE (<https://vle.upm.edu.ph/>). You will have actual duties in the hospital. Conferences and small group discussions will be done virtually or face to face (upon the discretion of the Division or Consultant).

COURSE MATERIALS

Links to the video resources and copies of reading materials will be uploaded in the VLE. The clinical case for your report and SGD will be assigned during your rotation by the Surgery LU6 Resident monitor. The textbook that you will use for reference will be Schwartz's Principles of Surgery 11th edition.

STUDY SCHEDULE

Week Number	Module/ Topic	Learning Resources (Textbook: Schwartz's Principles of Surgery 11 th edition)	Learning Tasks
1	GS1	Thyroid Cancer Benign thyroid diseases Breast Cancer Benign breast diseases Soft tissue sarcoma Gastric and Esophageal Cancer Perforated peptic ulcer	<ol style="list-style-type: none"> 1. Know the pathophysiology, principles of diagnosis and management. 2. Relate theoretical knowledge to actual patient care. 3. Participate in the major elective and emergency surgical operations related to these conditions.
2	GS2	Colonic Cancer Rectal Cancer Benign anorectal diseases Diverticulitis Partial/Complete Gut Obstruction Gastrointestinal bleeding Acute appendicitis	
3	GS3	Cholecystitis, Cholelithiasis, and Choledocholithiasis Abdominal wall and groin hernia Hepatocellular and Pancreatic Cancer Incarcerated/Strangulated hernia Acute cholecystitis Cholangitis	
4	Trauma	Tension pneumothorax Cardiac tamponade Massive hemothorax Blunt chest and abdominal injuries Penetrating abdominal injury Multiple injuries with traumatic brain injury	
	Other must know topics	Fluid and electrolyte therapy and acid-base balance Surgical infections Peri-operative analgesia and sedation Peri-operative complications	

COURSE REQUIREMENTS

At the end of your rotation you will be graded based on the following:

- | | | |
|--|-----|---------------------|
| 1. Written Examinations (45% of the final grade) | | DUE DATE |
| a) End of Rotation Quiz (1) | 15% | End of the rotation |
| b) Final Examination | 20% | End of the year |

	c) Comprehensive Examination	10%	End of the year
2.	Clinical Performance (37.5% of the final grade)		
	a) SGD (4)	20%	After every session
	b) GS Team Evaluation (5)	15%	End of the rotation
	c) Portfolio	5%	End of the rotation
3.	Return Demo Videos	5%	End of the rotation
4.	Public Health Lecture	2.5%	End of the rotation
5.	Attendance	5%	End of the rotation
6.	CEBS/SET	2.5%	End of the rotation

Written Examinations

An end of rotation quiz will be given at the end of your 4-week rotation (usually Sunday 8am) based on must know topics in surgery. Please coordinate with your Resident Monitor for the schedule. The final exam and comprehensive examination will be given at the end of the year and will be based also on the must know topics in surgery.

Clinical Performance

One small group discussion will be scheduled each week of your rotation, a group paper will also be submitted before the scheduled SGD with your Consultant in charge. You are expected to join the activities of the GS Team you belong in. At the end of your rotation, an evaluation from the Team Captain/Senior Resident of the team should be accomplished. You should also have an evaluation by the Surgeon on duty that you have a duty with. All procedures and operating room assists should also be inputted in your Portfolio. SIC patient notes should also be submitted. Team rounds joined should also be recorded in your portfolio. All these should be submitted (GS team Evaluation sheet, Portfolio) at the end of the rotation in the Google Submission Drive provided.

https://drive.google.com/drive/folders/1937n8Q1ZJQppq8RamS3jvSXIQj6-uIhAu?usp=drive_link

Return Demo Videos

Return demo videos of surgical hand scrubbing, gowning and gloving as well as suturing will be submitted at the end of the rotation in the Google Submission Drive provided.

https://drive.google.com/drive/folders/1937n8Q1ZJQppq8RamS3jvSXIQj6-uIhAu?usp=drive_link

Public Health Lecture

Every sub-block will be required to present a PHL for patients and watchers in the surgical wards based on a pre-assigned topic. The evaluation sheet for each group will be submitted at the end of the rotation in the Google Submission Drive provided.

https://drive.google.com/drive/folders/1937n8Q1ZJQppq8RamS3jvSXIQj6-uIhAu?usp=drive_link

Attendance and Peer Evaluation/CEBS/SET

Attendance should be signed daily at 7AM in the Chairman's Office (weekdays) or SOD ER (weekends and holidays). Make -up duties for excused absences follows a 1:1 scheme. For unexcused absence a 1:2 scheme is followed. Please have resident monitor verify your made up duties.

A screen shot of an accomplished CEBS/SET should be submitted at the end of the rotation in the Google Submission Drive provided.

https://drive.google.com/drive/folders/1937n8Q1ZJQppq8RamS3jvSXIQj6-uIhAu?usp=drive_link

ABOUT THE INSTRUCTORS

The Course Coordinators for Surg 251 is Dr. Rowena Sudario-Lumague (rosudariolumague@up.edu.ph) and Dr. Felixberto Lukban (fslukban@up.edu.ph). The following are the Resident Monitors: Dr. Carlo Vistro 09190942365, Dr. Moh'd Ryane Eid Bogabong 09694082967, and Dr. Timothy Rufino 09358384369

APPENDIX 1 – SGD Evaluation

APPENDIX 2 – GS Team Evaluation

APPENDIX 3 – Portfolio

APPENDIX 4 – Return Demo Video Instructions

APPENDIX 5 – PHL Assignments

APPENDIX 6 – Public Health Lecture Evaluation

/rsl2023

**DEPARTMENT OF SURGERY
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**SURG 251 2023-2024
RATING SCALE FOR WRITTEN REPORT/SGD**

STUDENT'S NAME:

BLOCK:

CONSULTANT EVALUATOR:

DATE:

Directions: Please rate the students based on their written case reports and small group discussion. The perfect score for each parameter is indicated below. Write the scores on the columns provided.

CRITERIA	SCORE
<u>History and Physical Examination (15)</u> All components in the presentation of case study are thoughtfully addressed and supported with thorough discussion of key issues.	
<u>Primary Working Impression (10)</u> Summarizes the salient features of the case, arrives at and justifies the primary working impression.	
<u>Differential Diagnoses (20)</u> Demonstrates thorough and insightful knowledge of differential diagnoses.	
<u>Plan of Management: Diagnostics (15)</u> Formulates a plan of diagnostic work-up to confirm primary impression, according to standards of care, with consideration for cost efficiency.	
<u>Plan of Management: Therapeutics (20)</u> Decides on a viable plan for therapeutic approach, whether surgical or medical/conservative, or both, and explains the rationale behind it.	
<u>Discussion (20)</u> Demonstrates an acceptable understanding of the case, and is able to answer guide questions appropriately. Explains pathophysiology and clinical correlation. Challenges in the health system Ethical issues	
TOTAL SCORE (100)	

COMMENTS:

SIGNATURE OF CONSULTANT:

DEPARTMENT OF SURGERY
College of Medicine and Philippine General Hospital
University of the Philippines Manila

EVALUATION OF STUDENTS' CLINICAL ROTATION

Student: _____ Year Level: _____ Block: _____

Division: _____ Inclusive Dates: _____

Evaluating Staff: _____ SIGNATURE: _____

Please encircle the numerical value most reflective of the student's performance:

A. KNOWLEDGE BASE: (basic and clinical surgery)

~~4~~ — ~~3.5~~ — ~~3~~ — ~~2.5~~ — ~~2~~ — ~~1.5~~ — ~~1~~ — ~~0.5~~ — ~~NA~~

thorough
up to date

limited basic information
poor correlation

B. CLINICAL ASSESSMENT SKILLS: (data gathering)

~~4~~ — ~~3.5~~ — ~~3~~ — ~~2.5~~ — ~~2~~ — ~~1.5~~ — ~~1~~ — ~~0.5~~ — ~~NA~~

complete Hx & PE
able to point out pertinent findings

inadequate data collection
poor integration

C. COMMUNICATION SKILLS:

~~4~~ — ~~3.5~~ — ~~3~~ — ~~2.5~~ — ~~2~~ — ~~1.5~~ — ~~1~~ — ~~0.5~~ — ~~NA~~

fluent
organized
precise

incomprehensible
disorganized
long-winded

D. INTERPERSONAL BEHAVIOR:

~~4~~ — ~~3.5~~ — ~~3~~ — ~~2.5~~ — ~~2~~ — ~~1.5~~ — ~~1~~ — ~~0.5~~ — ~~NA~~

respectful of rights of others
elicits advise appropriately
cooperates with others

rude
does not take advise well
uncooperative

E. WORK ATTITUDE:

~~4~~ — ~~3.5~~ — ~~3~~ — ~~2.5~~ — ~~2~~ — ~~1.5~~ — ~~1~~ — ~~0.5~~ — ~~NA~~

positive
punctual
anticipates

negative
always late / often absent
passive

COMMENTS OF EVALUATOR:

SIC PATIENT	PATIENT'S CASE NO.	LOCATION	DATE	VERIFIED
TEAM ROUNDS		LOCATION	DATE	VERIFIED

Guidelines for Return Demo Video Submission (Surg 251)

Scrubbing, Gowning and Gloving

Objective: To be able to demonstrate proper scrubbing, gowning and gloving using sterile technique.

Instructions: Submit a 3-5 minute video of surgical scrubbing(hand scrubbing), gowning and gloving, closed technique (See VLE video for sample). Gowns and surgical gloves may be provided thru your resident monitor.

Suturing and Suture Removal

Objective: To be able to demonstrate simple interrupted suturing and suture removal using surgical instruments.

Instructions: Submit a 3-5 minute video of you demonstrating at least 2 simple interrupted sutures and suture removal (See VLE video for sample). Surgical instruments and sutures may be provided thru your resident monitor.

Evaluation:

Return Demo Videos comprise 5% of your final grade.

Submit consolidated videos(per block) by Google Drive at the end of the rotation.

https://drive.google.com/drive/folders/1937n8Q1ZJQpq8RamS3jvSXIQj6-ulhAu?usp=drive_link

PUBLIC HEALTH LECTURE

Here are the topics per sub-block.

Block 1 A - Hemorrhoids

Block 1 B - Inguinal Hernia

Block 2 A - Colon CA

Block 2 B - Pancreatic CA

Block 3 A - Gastric CA

Block 3 B - Colloid Goiter

Block 4 A - Acute Pancreatitis

Block 4 B - Colonic Diverticulitis

Block 5 A - Appendicitis

Block 5 B - Gastric GIST

Block 6 A - Skin Cancer

Block 6 B - Perforated Peptic Ulcer

Block 7 A - Breast CA

Block 7 B - Hepatoma

Block 8 A - Rectal CA

Block 8 B - Gallstone

Block 9 A - Thyroid CA

Block 9 B - Liver abscess

Block 10 A - Benign Breast Mass

Block 10 B - Soft Tissue Infections

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**SURG 251 2023-2024
RATING SCALE FOR PUBLIC HEALTH LECTURE**

STUDENT'S NAME:

BLOCK:

EVALUATOR:

DATE:

TOPIC:

Directions: Please rate the students based on their public health lecture. The perfect score for each parameter is indicated below. Write the scores on the columns provided.

CRITERIA	SCORE
<u>Clinical knowledge</u> Demonstrates an in depth understanding of the disease. (10)	
Discuss signs and symptoms and relevant diagnostics in the diagnosis of the disease. (10)	
Discuss treatment options available with introduction to appropriate specialty. (10)	
Adequately discuss prevention and screening options if available. (10)	
<u>Skills</u> Information is presented in a clear and easily understandable manner.(10)	
Appropriate material is prepared and important points are given enough focus to emphasize its importance. (10)	
Answers questions related to the presentation adequately.(10)	
<u>Attitude</u> Dressed appropriately and introduces themselves to the audience. (10)	
Speaker is respectful and speaks in a clear voice with appropriate pace. (10)	
Discuss how prevention and early detection of the disease can be done in the community setting. (10)	
TOTAL SCORE (100)	

COMMENTS:

SIGNATURE OF EVALUATOR: