

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

**Surg 251 (Integrated Clinical Clerkship II in Surgery)  
AY 2022-2023**

**COURSE GUIDE**

**COURSE DESCRIPTION**

Surgery 251 is a 4-week course (divided into two weeks per semester) 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. Since we are still in a pandemic, you are advised to always advise proper safety protocols especially while in the hospital. 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 11<sup>th</sup> edition.

## STUDY SCHEDULE

Week Number	Module/ Topic	Learning Resources (Textbook: Schwartz's Principles of Surgery 11 <sup>th</sup> 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"> <li>1. Know the pathophysiology, principles of diagnosis and management.</li> <li>2. Relate theoretical knowledge to actual patient care.</li> <li>3. Participate in the major elective and emergency surgical operations related to these conditions.</li> </ol>
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:

		DUE DATE
1. Written Examinations (45% of the final grade)		
a) End of Rotation Quiz (2)	15%	End of each phase
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 (6)	15%	End of each phase
c) Portfolio	2.5%	End of the rotation
3. Return Demo Videos	5%	End of the rotation
4. Public Health Lecture	5%	End of 1 <sup>st</sup> phase
5. Attendance	5%	End of the rotation
6. Peer Evaluation/CEBS/SET	2.5%	End of the rotation

### Written Examinations

An end of rotation quiz will be given at the end of your 2-week rotation (one each semester) based on videos of common procedures and operations uploaded in the VLE. The final exam and comprehensive examination will be given at the end of the year and will be based 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. All these should be submitted at the end of the rotation.

### Return Demo Videos

Return demo videos of surgical hand scrubbing, gowning and gloving as well as suturing will be submitted at the end of your rotation.

### 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.

### Attendance and Peer Evaluation/CEBS/SET

Attendance sheets for each post should be signed by a resident depending on your post. This will be submitted at the end of the rotation.

Peer evaluation for each member of your sub-block should be accomplished. This will be submitted at the end of the rotation.

You are also encouraged to submit CEBS/SET at the end of each rotation(per semester).

CEBS <https://forms.gle/Fwe8WrJhy9pMsjNv5>

SET <https://forms.gle/Wh7uQWckTNi52rDE7>

## **ABOUT THE INSTRUCTORS**

The Course Coordinators for Surg 251 is Dr. Rowena Sudario-Lumague ([rosudariolumague@up.edu.ph](mailto:rosudariolumague@up.edu.ph)) and Dr. Felixberto Lukban ([flukban@up.edu.ph](mailto:flukban@up.edu.ph)). The following are the Resident Monitors: Gabriel Jazon MD (09268433841), Leander Quilang MD (09162367984), and Karol Tablante MD (09688528065).

## **HOUSE RULES**

Unfortunately we are still in the midst of the Pandemic. Although we want to maximize your learning for all the clinical experiences you may have missed, your safety and the safety of our hospital community is of equal importance. Follow all standard health protocols during your stay in the hospital. Good luck!

APPENDIX 1 – SGD Evaluation

APPENDIX 2 – GS Team Evaluation

APPENDIX 3 – Portfolio

APPENDIX 4 – Return Demo Video Instructions

APPENDIX 5 – PHL Assignments

APPENDIX 6 – Attendance Sheet

APPENDIX 7 – Peer Evaluation

APPENDIX 8 – Public Health Lecture Evaluation

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**SURG 251 2022-2023  
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.

<b>CRITERIA</b>	<b>SCORE</b>
<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	
<b>TOTAL SCORE (100)</b>	

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:



## **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.



## **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

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**SURG 251 2022-2023  
ATTENDANCE SHEET**

<b>WEEK 1</b>			
<b>DATE</b>	<b>OPERATING ROOM</b>	<b>EMERGENCY ROOM</b>	<b>WARD</b>
<b>WEEK 2</b>			
<b>DATE</b>	<b>OPERATING ROOM</b>	<b>EMERGENCY ROOM</b>	<b>WARD</b>

<b>WEEK 3</b>			
<b>DATE</b>	<b>OPERATING ROOM</b>	<b>EMERGENCY ROOM</b>	<b>WARD</b>
<b>WEEK 4</b>			
<b>DATE</b>	<b>OPERATING ROOM</b>	<b>EMERGENCY ROOM</b>	<b>WARD</b>



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**SURG 251 2022-2023  
RATING SCALE FOR PUBLIC HEALTH LECTURE**

STUDENT'S NAME:

BLOCK: EVALU-

ATOR:

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.

<b>CRITERIA</b>	<b>SCORE</b>
<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)	
<b>TOTAL SCORE (100)</b>	

COMMENTS:

SIGNATURE OF EVALUATOR: