

Topic: PROFESSIONAL ENGLISH FOR CLINICAL MICROBIOLOGY	Unit 1: LABORATORY TECHNIQUES	LESSONS: 1 - 4	
TEACHING AIMS	TIMING: 12:	TIMING: 12:00 h	
1. To develop students' understanding of basic Microbiology vocabulary			
2. To present basic procedures in the Microbiology laboratory			
3. To familiarise students with basic equipment in the Microbiology laboratory			
CONTRIBUTION TO COMPETENCES			
Professional skills (students will be able to):			
Interpret scientific and technical information			
 Adapt procedures to execute the activities according to established quality standards and optimizing the resources allocated 			
 Prepare and use diagnostic equipment and materials, according to the procedures. 			
• Functional skills (students will be able to):			
Access and communicate information using ICT tools to learn			
O Use mathematics to solve problems and questions in laboratory			
Use technical information effectively in English			
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• Key skills or effectiveness for working life (students will be able to):			
o Solve problems			
O Undertake work in a responsible manner			
Organise their own work and take their own initiative LEARNING OUTCOMES	CONTENT		
At the end of the lesson the students will:	Description of bacterial morphology		
KNOW:	Perform microscopic stain		
The morphological classification of bacteria	Perform microscopic stam Perform microscopic examinations		
Parts of the bright-field microscope	4. Interpret a Gram stain		
McFarland turbidity standards	5. Prepare culture media		
BE ABLE TO:	6. Perform bacterial culture		
Perform a Gram Stain			
 Use the microscope effectively 	COGNITION		
Prepare culture media	Identifying issues		
 Identify defects in prepared media 	Ordering sequences of events		
 Perform a bacterial culture 	3. Classifying concepts		
BE AWARE OF:	4. Synthesising processes		
 The importance of being rigorous at work 	5. Solving problems		
 The importance of order at work 	6. Analysing concepts		
 The importance of taking care of materials and equipment 	Hypothesising about consequences of acts		
	8. Reasoning about facts		



COMMUNICATION		
LANGUAGE OF LEARNING ○ Bacterial morphologies: shapes and arrangements ○ Materials and reagents for Gram ○ Parts of the microscope and expressions used in microscopy ○ Mathematical operations: +, -, ×, ÷, decimals, fractions, powers ○ International System of Units ○ Changes in physical state: melt, evaporate ○ Materials and equipment to prepare culture media ○ Faults in prepared media ○ First and second conditional: it would, if we do X, Y will happen	LANGUAGE FOR LEARNING Sequencing Explaining consequences and cause and effect Giving reasons Describing positions Connecting ideas: comparing and contrasting Explaining mathematical operations	
 First, next, then, finally Prepositions of place: on the left/right, at the top/bottom, in the middle, in the top/bottom right-hand/ left-hand corner What happens if? As a result Grading expressions: numerous, a moderate number, scanty 	CULTURE O History of the microscope	
ASSESSMENT CRITERIA		
FORMATIVE ASSESSMENT Can the student? 1. Differentiate the steps in Gram Stain? 2. Interpret a Gram Stain? 3. Justify the actions in the microscopic procedure with specimens? 4. Discuss the possible faults in prepared media? 5. Discuss the features of a standard bacterial culture? 6. Identify the basic requirements for growth of bacteria? 7. Understand the utility of bacterial standards?	SUMMATIVE ASSESSMENT 1. Does the student include 10 slides or more? 2. Does the student include different kind of diagrams? 3. Does the student present from 10 to 12 contents? 4. Can the student link the contents presented? 5. Can the student explain concepts properly? 6. Can the student use technical words correctly? 7. Does the student show self-sonfidence? 8. Can the student talk fluently?	