





Practical time

- Wednesday 1.00 4.00 pm (3 hours) time slot is reserved for ARM practical sessions and lab reports should be submitted by following
 Friday 4.00 pm (if the submission date is not specifically announced by either lecture in charge or practical session in-charge).
- Late submission will be subjected to marks deduction from the total.
- This will be remained regularly
 throughout two semesters.



During the laboratory sessions

• You

- Should wear the lab coat, and shoes and suitable outfit are recommended (Especially when dealing with chemicals)
- Must be calm and give your full attention and maintain silence
- Not allowed to bring food or beverages to the laboratory
- Should not leave the laboratory without permission
- Allowed to ask questions without interfering others
- Should actively participate to the lab sessions



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For each practical session...

- · You have to provide practical report
- The lab report doesn't have exact page limit but it should be a handwritten and comprehensive.
- · You have to use a pencil for writing and drawings.
- For the virtual practical sessions, a PDF version of the handwritten report should be submitted to the LMS (or any other method that announced by the practical incharge).
- All the hard copies of the practical reports should be kept safely for further references.

You must have

Always



- A4 sheets (80 gsm is recommended)
- Pencil
- Sharpener
- Eraser
 Ruler etc.
- · Some of certain practical sessions,
 - Dissecting sets
 - Glass slides and Coverslips
 - Scientific calculators
 Graph papers
 - Gloves/ masks/ goggles etc.

Will be noticed prior to the practical sessions

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- Attendance will be marked daily and 100% participation is expected (at least 80%). Absentees must contact practical session in-charge or year coordinating demonstrator immediately and need to provide a medical certificate for medical issues.
- · Practical sessions will not be repeated for absentees.
- The lab report will be evaluated by demonstrators under supervision of lecturer in-charge and/or practical in-charge. Marks will be allocated in various aspects strict on a marking scheme and will be graded accordingly.
- Absentees are not allowed to submit a lab report. ,



Content of the Lab report



2					
	Cover page				
	Short introduction				

- Drawings and
- Discussion
- · Answers for the questions

Note: Some of the practical contain both specimens to observe and procedure to follow up. In that particular case, the order to the report will be informed and you need to provide a report accordingly.

Date

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Introduction

· Generally, introduction is the approach to the lab report

Title: Introduction:
Introduction:
······

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Readings/ Calculations/ Results/ Observations

- · Reading s and calculations should be written clearly and the obtained results or observations should be recorded clearly (Tables, diagrams, graphs etc. may include).
- · English past tensepassive voice should be used



Cover page

- · As you have to provide a handwritten lab report, you are required to maintain almost similar alignments and the page structure.
- · Different color themes for years

- 1st year - Yellow

- 2nd year Pink
- 3rd year Green

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Aquatic Resources Management ARM 1XX X.0 Course name Practical no: Practical title:

Name Index number Date First year-First sen

Procedure

- · Procedure contains the steps that you have followed up.
- · This can be point form or paragraphed.
- · Diagrams can be drawn ex. Experiment set up
- · English past tense-passive voice should be used

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Discussion

- · Discussion can be tabulated or paragraphed.
- · Need to discuss theories, principles etc. and justify the obtained results, observations and readings in a scientific way.
- · Most important part of the lab report.

Discussion: .

Drawings and footnotes

- All the drawing should be drawn with a sharp pencil, single lined, labelled and clear.
- The title and the magnification should be always written under the drawing
- The footnote should be specific and it should describe the diagram





piece lens

lens

Title (magnification)

.....foot note.....

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Multiple diagrams

- It is recommended that one diagram on one page.
- In some cases, you are allowed to draw two diagrams on one page.
- But separate footnotes should be written and each diagram should not be overlapped.





Example 03



Copepod species (10 x 4)

Common name Magnification of the glass hand lens/ Dissecting microscope

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ARM 101	Basic Limnology	1. Morphometry of a Lake	Virtual/		
1.0			Physical		
	- Eutrophication	2. Physical, Chemical and Biological	Virtual/		
	Hage Registe	properties of a water body (DO, BOD,	Physical		
	And And And And And And And And And And	Alkalinity, Plankton Enumeration)			
	And the second s	3. Physical, Chemical and Biological	Virtual/		
	Selares Have were	properties of a water body (Hardness, SO42-,	Physical		
	one first have blonger besteries	NO ₃ -, PO ₄ -3)			
ARM 103	Aquatic	1. Detection and Enumeration of	Virtual/		
1.0	Microbiology	microorganisms	Physical		
	and water quality	&3. Isolation of pure culture of bacteria	Virtual/		
	bytter 1	from the environment & positive and	Physical		
	1 1 mm	negative staining			
		4. Microbiological analysis for water quality	Virtual/		
	6696	(Membrane filtration and multiple tube	Physical		
	Billionethe Higlingthe Georgianske Georgianske Georgebenetis Georgia	fermentation methods)			
Practical Examination					
			Physical		
One day field visit for Basic Limnology					
Two days field visit for Oceanography					
Three days	Three days field visit for Aquatic Microbiology and Water Quality				

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Thank you

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