Course Description Form

1. Course Name: General Chemistry practical

2. Course Code: GHEM104

3. Semester / Year: second 4044/4045

4. Description Preparation Date:4045

5. Available Attendance Forms: Live attendance in the classroom (laboratory)

6. Number of Credit Hours (Total) / Number of Units (Total)

4 hours/4

7. Course administrator's name (mention all, if more than one name)

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8. Course Objectives

Course Objectives	General Objective
	At the end of the current academi year, the student will be able to Perform various techniques of descriptive and quantitative analy of components in blood and othe body fluids in humans in health a disease…..

9. Teaching and Learning Strategies

Strategy	
	Interactive lectures: Presenting information through presentations and chemical compounds to learn how they affect the body Case-Based Learning: Studying the relationship betwe chemistry and body diseases

10. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
first	4	Knowledge	**Purification of orga compounds**	Giving a lect using mod presentation methods	Practical test
second	4	Knowledge	**Separation of organic compounds**	Giving a lect using mod presentation methods	Practical test
third	4	Knowledge	**Equipment s use in laboratory, IR, UV, etc.**	Giving a lect using mod presentation methods	Practical test
fourth	4	Knowledge	**Hydrolysis of polysaccharides by saliva**	Giving a lect using mod presentation methods	Practical test
fifth	4	Knowledge	**Test**	Giving a lect using mod presentation methods	Practical test
sixth	4	Knowledge	**Flame photometry.**	Giving a lect using mod presentation methods	Practical test
seventh	4	Knowledge	**Fractional distillation**	Giving a lect using mod presentation methods	Practical test
eighth	4	Knowledge	**Chromatography**	Giving a lect using mod presentation methods	Practical test

ninth	4	Knowledge	**Thin layer chromatography technique**	Giving a lect using mod presentation methods	Practical test
tenth	4	Knowledge	**Test**	Giving a lect using mod presentation methods	Practical test
eleventh	4	Knowledge	**Estimation of alcohol**	Giving a lect using mod presentation methods	Practical test
twelfth	4	Knowledge	**Estimation of phenol**	Giving a lectur using modern presentation methods	Practical test
thirteenth	4	Knowledge	**Estimation of aldehydes and ketones**	Giving a lectur using modern presentation methods	Practical test
fourteenth	4	Knowledge	**Preparation of nylon.**	Giving a lectur using modern presentation methods	Practical test
fifteenth	4	Knowledge	**Test**	Giving a lectur using modern presentation methods	Practical test
exam					

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Biochemistry books
Main references (sources)	Curriculum set by sector committees
Recommended books and references (scientific journals, reports…)	Lipncot

Electronic References, Websites	Keiji Murayama and others Bulletin of the Chemical Society of Japan, Volume 96, Issue 10, October 4043, Pages 1179–1187, https://doi.org/10.1446/bcsj.40430188