Course Description Form of bone injury and fractions

1. Course Name:

Bone injury and fracture

2. Course Code:

WBM/32/07

3. Semester / Year:

Semester 2

4. Description Preparation Date:

2024-02-19

5. Available Attendance Forms:

presence in the classroom

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

30 Hours / 2 Units

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

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8. Course Objectives

Course Objectives	• The student will be able to identify bones and bone remodeling . • The student should be able to know the synovial membrane and bone cells. • Enabling students to obtain general knowledge of diseases that affect • Enabling students to obtain general knowledge of the types of fractures, methods of treating them, and the duration of their recovery • Enabling students to obtain general knowledge to diagnose and treat the disease

9. Teaching and Learning Strategies

Strategy	• Using the smart board • Use illustrative pictures whenever possible

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Bone cells, bone matrix, bone remodeling synovium	Introduction about bon	Lectures presented i PDF forma	Daily exams + homework assignments + monthly exams

2	2	Simple and comminuted fracture ,healing ,pathological fracture	Bone fracture	Lectures presented in PDF format	Daily exams homework assignments monthly exam
3	2	Management of fracture , reduction , immobilization, exercise	Bone fracture 2	Lectures presented in PDF format	Daily exams homework assignments monthly exam
4	2	Gout, osteoporosis , osteoarisritis	Disease of the bone	Lectures presented in PDF format	Daily exams homework assignments monthly exam
5	2	Arthritis , symptoms ,diagnosis, osteoarthritis ,treatment	Infection of the bone	Lectures presented in PDF format	Daily exams homework assignments monthly
6	2	Arthritis , signs and symptoms , disability , diagnosis	Joint disease	Lectures presented in PDF format	Daily exams homework assignments monthly
7	2	Osteoarthritis ,rheumatoid arthritis , lupus, gout	Joint disease2	Lectures presented in PDF format	Daily exams homework assignments monthly
8	2	Regulation of bone metabolism , osteoporosis , rickets, hyperparathyroidism	Bone metabolism	Lectures presented in PDF format	Daily exams homework assignments monthly
9	2	Causes of Rheumatic fever, symptoms ,rheumatic heart disease ,prevention , treatment	Rheumatic fever	Lectures presented in PDF format	Daily exams homework assignments monthly
10	2	Introduction, cervical disc herniation, diagnosing IVDD, treatment	**Intervertebral disc disorder**	Lectures presented in PDF format	Daily exams homework assignments monthly
11	2	Stabilizers, mechanism, predisposing factors	Patellar Dislocation ,knee dislocation and tibal shaft dislocation	Lectures presented in PDF format	Daily exams homework assignments monthly
12 +13	4	Rupture of rotator cuff , causes , types , acute calcific tendinitis	Disorders of the shoulder	Lectures presented in PDF format	Daily exams homework assignments monthly

14+15	4	Predisposition, mechanism , x ray, complications of prolonged immobilization	Intertrochanteric, Subtrochanteric & Femur Shaft Fracures	Lectures presented	Daily exams homework

11.Course Evaluation

- Daily exams scientific questions.
- Establishing grades for environmental duties
- Semester exams for the curriculum, in addition to the mid-year exam and final exam

12.Learning and Teaching Resources

ley & solomons system of orthopaedics and trauma

Mayo clinical family health book