SGT UNIVERSITY
FACULTY OF PHYSIOTHERAPY
SYLLABUS & CURRICULUM

- Newer Teaching Methodologies
- Learning Objectives
- Latest techniques/Advanced Syllabus
- Theory/Practical Ratio 50:50
<table>
<thead>
<tr>
<th></th>
<th>JOINT STRUCTURE AND FUNCTION.</th>
<th>Describe the joint structure and function of joints and biomechanics of Connective tissue</th>
<th><strong>To Cover</strong></th>
<th>Students Seminar Group Discussion Practical demonstration</th>
<th>6 Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>MUSCLE STRUCTURE</td>
<td>Describe the muscle structure and function of muscles</td>
<td><strong>To Cover</strong></td>
<td>Project Based Discussion Students</td>
<td>6 Hrs.</td>
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<tr>
<td>3</td>
<td></td>
<td></td>
<td>1. Mobility and stability functions of muscles</td>
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<tr>
<td>4</td>
<td>Biomechanics of the Thorax</td>
<td>Describe the biomechanics of the thoracic and chest wall</td>
<td><strong>To cover</strong></td>
<td>Horizontal integrated teaching</td>
<td>5 Hrs.</td>
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<tr>
<td></td>
<td>and Chest wall</td>
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<td>1. General structure and function</td>
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<td></td>
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<td>2. Rib cage and the muscles associated with the rib cage</td>
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<td>3. Ventilatory motions: its coordination and</td>
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<td>4. Effects of immobilization, injury and aging</td>
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<td>4.</td>
<td>BIOMECHANICS</td>
<td>1. BASIC CONCEPTS IN BIOMECHANICS</td>
<td>MUST KNOW</td>
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<td>4.</td>
<td>BIOMECHANICS</td>
<td>2. JOINT STRUCTURE AND FUNCTION</td>
<td>MUST KNOW</td>
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<td>4.</td>
<td>BIOMECHANICS</td>
<td>3. MUSCLE STRUCTURE AND FUNCTION</td>
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<td>4.</td>
<td>BIOMECHANICS</td>
<td>4. BIOMECHANICS OF THORAX AND CHEST WALL</td>
<td>DESIRABLE TO KNOW</td>
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<td>4.</td>
<td>BIOMECHANICS</td>
<td>5. TMJ</td>
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<td>4.</td>
<td>BIOMECHANICS</td>
<td>6. VERTEBRAL COLUMN</td>
<td>MUST KNOW</td>
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<td>4.</td>
<td>BIOMECHANICS</td>
<td>7. BIOMECHANICS OF PERIPHERAL JOINTS</td>
<td>MUST KNOW</td>
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<tr>
<td>4.</td>
<td>BIOMECHANICS</td>
<td>8. POSTURE AND GAIT</td>
<td>MUST KNOW</td>
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<tr>
<td>5.</td>
<td>PAMT</td>
<td>1. ELECTRO DIAGNOSIS</td>
<td>MUST KNOW</td>
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<tr>
<td>5.</td>
<td>PAMT</td>
<td>2. ASSESSMENT AND EVALUATION</td>
<td>MUST KNOW</td>
<td>30</td>
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<tr>
<td>5.</td>
<td>PAMT</td>
<td>3. ASSESSMENT OF CARDIORESPIRATORY DYSFUNCTION</td>
<td>MUST KNOW</td>
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<tr>
<td>5.</td>
<td>PAMT</td>
<td>4. ASSESSMENT OF HAND</td>
<td>DESIRABLE TO KNOW</td>
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<tr>
<td>5.</td>
<td>PAMT</td>
<td>5. MANUAL THERAPY AND CLINICAL REASONING</td>
<td>MUST KNOW</td>
<td>30</td>
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<td>5.</td>
<td>PAMT</td>
<td>6. MOTOR LEARNING AND MOTOR CONTROL</td>
<td>MUST KNOW</td>
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<td>5.</td>
<td>PAMT</td>
<td>7. ASSESSMENT OF MOVEMENT DYSFUNCTION</td>
<td>MUST KNOW</td>
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<tr>
<td>5.</td>
<td>PAMT</td>
<td>8. INTERPRETATION OF VARIOUS INVESTIGATIONS</td>
<td>DESIRABLE TO KNOW</td>
<td>5</td>
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<td>5.</td>
<td>PAMT</td>
<td>9. PAIN ASSESSMENT</td>
<td>MUST KNOW</td>
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<td>6.</td>
<td>EXERCISE THERAPY</td>
<td>1. BASIC MECHANICS</td>
<td>MUST KNOW</td>
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<td>6.</td>
<td>EXERCISE THERAPY</td>
<td>2. INTRODUCTION</td>
<td>MUST KNOW</td>
<td>33</td>
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</tbody>
</table>
MPT-

- CASE PRESENTATION
- JOURNAL PRESENTATION
- SEMINAR
- MICRO TEACHING
- PARTICIPATION IN CONFERENCES
- RESEARCH WORK
EXAMINATION PROCEDURE

- Annual exams
- Saturday as Assessment day for all batches
- Twice Internal Exams will be conducted
  - November
  - April
METHODS OF EVALUATION

Methods of Evaluation

Formative Assessment

Summative Assessment
STUDENT’S GROOMING

- Hands on training-50% theory + 50% Practical
- Newer Teaching Methodologies
- Academic Excursions
- Language and Communication classes
- Workshops, Seminars, Extension Lectures by renowned faculties from Industry
- Participation of students in conferences/ seminars
  - Paper presentation
  - Quiz competition and other activities
FACULTY GROOMING

- Faculty Development Programmes
- Paper Presentations
- Attending Conferences
- Delivering talks and Seminars
- Attending Workshops

Regular postings/Visit of the staff in –
- Out Patient Department (OPD),
- IPD (In Patient Department) &
- ICU

Updating themselves to the latest innovations/technologies in the field of Physiotherapy
RESEARCH WORK

- Undergraduate level
- Post graduate level
- Departmental level
- In collaboration with other faculties
- Research work going on as part of swapreit budhera project

At least 2-3 Original Research Paper by each Faculty member per year
Deepak Raghav, Dr. Joginder Yadav, Dr. Sheetal Kalra. Effect of Thoraco-Lumbar Fascia Kinesio taping as a Therapeutic Intervention for Pain, Functional Disability in Non Specific Low Back Pain-A Pilot Study accepted for publication in Indian Journal of Health Sciences & Care


Kalra S, Arora B, Pawaria S. Cross sectional survey of work related musculoskeletal disorders and associated risk factors among female farmers in rural areas of Gurgaon. Indian J Physiotherapy &Occupational therapy. 2016; 10(2);149-154

Kalra S, Pawaria S. Arora B. A study on Cardio respiratory fitness of Physiotherapy students accepted for publication in Photon Journal for Physiotherapy.


• Deepak Raghav, Dr. Joginder Yadav, Dr. Sheetal Kalra. Effect of Thoraco-Lumbar Fascia Kinesio taping as a Therapeutic Intervention for Pain, Functional Disability in Non Specific Low Back Pain-A Pilot Study accepted for publication in Indian Journal of Health Sciences & Care.


• Motor Imagery in Gait & balance Rehabilitation for post stroke Hemiparesis. JOURNAL NAME: Global journal for research analysis.
• Recovery from temporomandibular joint dysfunction: An overview of different physiotherapy approaches. JOURNAL NAME: International Journal of yoga, physiotherapy and physical education

• Cervical Spondylosis or thoracic outlet syndrome; an enigma: case report. JOURNAL NAME: International Journal of yoga, physiotherapy and physical education

• Efficacy on locomotor ability with dual task in diabetic neuropathy. JOURNAL NAME: Indian Journal of Health Sciences & Care


• Effect of PNF and Joint Mobilization along with Ultrasound on Abduction and External Rotation Range of Motion in patients with Frozen Shoulder. Accepted for publication in International Journal of Yoga, Physiotherapy and Physical Education. UGC Approved journal, Accepted.

• Efficacy on Locomotor ability with dual task in Diabetic Neuropathy. Accepted in Indian Journal of Health Sciences and Care. Accepted.

• Recovery from Temporomandibular Joint Dysfunction: An overview of different Physiotherapy approaches Accepted for publication in International Journal of Yoga, Physiotherapy and Physical Education. UGC Approved journal, Accepted.
COLLABORATION FOR STUDENTS INTERNSHIP AND TRAINING FOR BETTER EXPOSURE

- Spastic Society of Gurgaon Sec 4
- Karate Academy of Gurgaon
- Indian Spinal Injuries Centre, Vasant Kunj
- Fortis Max Hospital, New Delhi

In Pipeline-
- Collaboration with Binawan Institute of Health Sciences, Jakarta
- Aisyaiah Pontiana College Indonesia
- Boxing Academy of Gurgaon

• Mohit Gulati. “Morbidity Pattern and Outcome of Swa- Prerit Adrash Gram Yojana Health Project Interventions among Rural Population, Gurugram, Haryana” is accepted for publication in Indian Journal of Health Sciences and Care.

• Mohit Gulati. “Comparative morbidity & health seeking behaviour among school children of Government and Public rural schools” is accepted for publication in Indian Journal of Health Sciences and Care.
PhD ENROLMENT

RESEARCH PROJECTS FOR FUNDING BY GOVT AGENCIES

INNOVATIONS
Thank You