

CURRICULUM
BACHELOR OF PHYSIOTHERAPY
CHOICE BASED CREDIT SYSTEM

STUDENTS LEARNING OUTCOMES

The Bachelor of Physiotherapy, undergraduate degree MODULE, is a 4-year and 6 months (8 semesters and 6 months internship) full time program. The program is generic in nature. The curriculum and syllabi of Bachelor of Physiotherapy Program conform to Learning Outcome Based Education supplemented by learner's ability enhancement for a flexible and structured choice based Credit system. In general, THE STUDENT OUTCOMES have been identified and the curriculum and syllabi have been chosen in such a way that each of the modules meets one or more of these outcomes. Student outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. Further, each module in the program spells out clear instructional objectives which are mapped to the student outcomes.

Student Outcome:

At the end of the Bachelor of Physiotherapy Program, the students (graduates) shall

1. Be able to demonstrate the knowledge and understanding on basics of Human Anatomy, Human Physiology, Exercise Therapy and Electro Therapy along with the health related issues which will provide strong foundation for the practice of Physiotherapy.
2. Be able to diagnose patients needing physiotherapy and plan for the appropriate treatment (Electro therapy/ Exercise therapy/procedures)
3. Be able to operate and maintain physiotherapy equipment required for the treatment of patients.
4. Be able to demonstrate skills and techniques of Physiotherapy to assess and treat various physical and functional disorders of the human body.
5. Develop the attitude to practice the profession with moral and ethical values.
6. Be able to demonstrate various skills of handling patients through clinical reasoning and concealing supported by appropriate communication skill.
7. Be able to apply the knowledge to independently deal with patients with creative approach.

Semester: I

| SNO | MODULE | MODULE CODE | TEACHING SCHEDULE PER WEEK | | | | CREDITS | EVALUATION SCHEME | | |
|-----|---|----------------------------------|----------------------------|-----------|----------|----------|-----------|-----------------------------|------|-------|
| | | | L | P | SPT | SCT | | INT. | EXT. | TOTAL |
| 1 | English Communication | ENGL0103 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| 2 | Human Anatomy-1 | PSIO1101 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 3 | Human Anatomy-1 Lab | PSIO1102 | 0 | 4 | 3 | 0 | 3.0 | 25 (P)+ 5.0 (SPT)=30 | 50 | 80 |
| 4 | Human Physiolog1 | PSIO1103 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 5 | Human Physiology-1Lab | PSIO1104 | 0 | 2 | 3 | 0 | 2.0 | 12.5 (P) +5.0 (SPT)=17.5 | 25 | 42.5 |
| 6 | Electro therapy-I | PSIO1105 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 7 | Electro therapy-I Lab | PSIO1106 | 0 | 6 | 3 | 0 | 4.0 | 37.5 (P) +5.0 (SPT)=42.5 | 75 | 117.5 |
| 8 | Introduction to computer Application | COAP0101 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| 9 | Introduction to computer Application Lab | COAP0102 | 0 | 2 | 0 | 0 | 1.0 | 12.5 | 25 | 37.5 |
| 7 | Foreign Language French German Spanish | LANF0101 LANG0102 LANS0103 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| | | Total | 18 | 14 | 9 | 0 | 28 | 327.5 | 625 | 952.5 |

L=Lecture; P=Practical; SPT= Specialized Practical Training; SCT= Specialized Clinical Training

Credit Equivalence: 1 lecture hrs. = 1 credit

2 practical hrs. = 1 credit

3 SPT / SCT hrs. = 1 credit

Semester: II

| SNO | MODULE | MODULE CODE | TEACHING SCHEDULE PERWEEK | | | | CREDITS | EVALUATION SCHEME | | |
|-----|---|----------------------------------|---------------------------|-----------|----------|----------|-----------|-----------------------------|------|-------|
| | | | L | P | SPT | SCT | | INT. | EXT. | TOTAL |
| 1 | Environmental Science | ENVS0101 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| 2 | Human Anatomy-II | PSIO1107 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 3 | Human Anatomy-II Lab | PSIO1108 | 0 | 4 | 3 | 0 | 3.0 | 25 (P)+ 5.0 (SPT)=30 | 50 | 80 |
| 4 | Human Physiology-II | PSIO1109 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 5 | Human Physiology-II Lab | PSIO1110 | 0 | 2 | 3 | 0 | 2.0 | 12.5 (P) +5.0 (SPT)=17.5 | 25 | 42.5 |
| 6 | Electro therapy-II | PSIO1111 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 7 | Electro therapy-II Lab | PSIO1112 | 0 | 6 | 3 | 0 | 4.0 | 37.5 (P) +5.0 (SPT)=42.5 | 75 | 117.5 |
| 8 | Bio-chemistry | PSIO1113 | 3 | 0 | 0 | 0 | 3.0 | 37.5 | 75 | 112.5 |
| 9 | Foreign Language French German Spanish | LANF0101 LANG0102 LANS0103 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| | | Total | 19 | 12 | 9 | 0 | 28 | 327.5 | 625 | 952.5 |

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Semester: III

| SNO | MODULE | MODULE CODE | TEACHING SCHEDULE PER WEEK | | | | CREDITS | EVALUATION SCHEME | | |
|-----|----------------------------------|----------------------------------|----------------------------|-----------|-----------|----------|-----------|--------------------------|------------|-------------|
| | | | L | P | SPT | SCT | | INT. | EXT. | TOTAL |
| 1 | Excise therapy-I | PSIO2101 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 2 | Excise therapy-I Lab | PSIO2102 | 0 | 6 | 3 | 0 | 4.0 | 37.5 (P) +5.0 (SPT)=42.5 | 75 | 117.5 |
| 3 | Bio mechanics | PSIO2103 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 4 | Bio mechanics Lab | PSIO2104 | 0 | 2 | 3 | 0 | 2.0 | 12.5 (P) +5.0 (SPT)=17.5 | 25 | 42.5 |
| 5 | Pathology & micro biology | PSIO2105 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 6 | Physiology | PSIO2106 | 3 | 0 | 0 | 0 | 3.0 | 37.5 | 75 | 112.5 |
| 7 | First aid and emergency care | PSIO2107 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| 8 | First aid and emergency care Lab | PSIO2108 | 0 | 2 | 3 | 0 | 2.0 | 12.5 (P) +5.0 (SPT)=17.5 | 25 | 42.5 |
| 8 | Apptitude-I | VALU0119 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| 9 | Professional Communication-I | VALU0123 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| 10 | Yoga/NCC/NSS | VALU0118 VALU0121 VALU0122 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| | | Total | 23 | 10 | 09 | 0 | 29 | 365 | 700 | 1065 |

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Semester: IV

| SNO | MODULE | MODULE CODE | TEACHING SCHEDULE PER WEEK | | | | CREDITS | EVALUATION SCHEME | | |
|-----|--|----------------------------------|----------------------------|-----------|----------|----------|-----------|--------------------------|------------|------------|
| | | | L | P | SPT | SCT | | INT. | EXT. | TOTAL |
| 1 | Excise therapy-II | PSIO2109 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 2 | Excise therapy-II Lab | PSIO2110 | 0 | 6 | 0 | 3 | 4.0 | 37.5 (P) +5.0 (SCT)=42.5 | 75 | 117.5 |
| 3 | General Medicine (including Gerontology and Dermatology) | PSIO2111 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 4 | General Medicine Lab | PSIO2112 | 0 | 2 | 0 | 3 | 2.0 | 12.5 (P) +5.0 (SCT)=17.5 | 25 | 42.5 |
| 5 | Pharmacology | PSIO2113 | 3 | 0 | 0 | 0 | 3.0 | 37.5 | 75 | 112.5 |
| 6 | Community Medicine & Sociology | PSIO2114 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 7 | Community Medicine Lab | PSIO2115 | 0 | 2 | 0 | 3 | 2.0 | 12.5 (P) +5.0 (SCT)=17.5 | 25 | 42.5 |
| 8 | Apptitude-II | VALU0120 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| 8 | Professional Communication-II | VALU0124 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| 9 | Yoga/NCC/NSS | VALU0118 VALU0121 VALU0122 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| | | Total | 21 | 10 | 0 | 9 | 29 | 340 | 650 | 990 |

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3 SPT / SCT hrs. = 1 credit

Semester: V

| SNO | MODULE | MODULE CODE | TEACHING SCHEDULE PERWEEK | | | | CREDITS | EVALUATION SCHEME | | |
|-----|---|--------------|---------------------------|-----------|----------|----------|-----------|---------------------------|------------|------------|
| | | | L | P | SPT | SCT | | INT. | EXT. | TOTAL |
| 1 | Physical and Functional Diagnostic Skills | PSIO3101 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 2 | Physical and Functional Diagnostic Skills Lab | PSIO3102 | 0 | 6 | 0 | 3 | 4.0 | 37.5 (P) + 5.0 (SCT)=42.5 | 75 | 117.5 |
| 3 | Orthopedics & Traumatology | PSIO3103 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 4 | Orthopedics & Traumatology Lab | PSIO3104 | 0 | 4 | 0 | 3 | 3.0 | 25 (P) + 5 (SCT)=30 | 50 | 80 |
| 5 | Biophysics | PSIO3105 | 3 | 0 | 0 | 0 | 3.0 | 37.5 | 75 | 112.5 |
| 6 | Neurology (Pediatrics & Psychiatry) | PSIO3106 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 7 | Neurology (Pediatrics & Psychiatry) Lab | PSIO3107 | 0 | 4 | 0 | 3 | 3.0 | 25 (P) + 5 (SCT)=30 | 50 | 80 |
| 8 | Diagnostic imaging for physiotherapist | PSIO3108 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| | | Total | 17 | 14 | 0 | 9 | 27 | 255 | 600 | 915 |

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3 SPT / SCT hrs. = 1 credit

Semester: VI

| SNO | MODULE | MODULE CODE | TEACHING SCHEDULE PERWEEK | | | | CREDITS | EVALUATION SCHEME | | |
|-----|---|--------------|---------------------------|-----------|----------|-----------|-----------|---------------------------|------|-------|
| | | | L | P | SPT | SCT | | INT. | EXT. | TOTAL |
| 1 | General Surgery (including burns, Plastic Surgery, Obstetrics & Gynecology) | PSIO3109 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 2 | General Surgery Lab | PSIO3110 | 0 | 6 | 0 | 3 | 4.0 | 37.5 (P) + 5.0 (SCT)=42.5 | 75 | 117.5 |
| 3 | Physiotherapeutic Skills | PSIO3111 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 4 | Physiotherapeutic Skills Lab | PSIO3112 | 0 | 6 | 0 | 3 | 4.0 | 37.5 (P) + 5.0 (SCT)=42.5 | 75 | 117.5 |
| 5 | Research Methodology & Biostatistics | PSIO3113 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 6 | Bioengineering and Professional Ethics | PSIO3114 | 3 | 0 | 0 | 0 | 3.0 | 37.5 | 75 | 112.5 |
| 7 | Bioengineering and Professional Ethics Lab | PSIO3115 | 0 | 2 | 0 | 3 | 2.0 | 12.5 (P) +5.0 (SCT)=17.5 | 25 | 42.5 |
| 8 | Professionalism & Values | PSIO3116 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| | | Total | 17 | 14 | 0 | 09 | 27 | 315 | 600 | 915 |

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3 SPT / SCT hrs. = 1 credit

Semester: VII

| SNO | MODULE | MODULE CODE | TEACHING SCHEDULE PERWEEK | | | | CREDITS | EVALUATION SCHEME | | |
|-----|---|--------------|---------------------------|-----------|----------|-----------|-----------|--------------------------|------|-------|
| | | | L | P | SPT | SCT | | INT. | EXT. | TOTAL |
| 1 | Physiotherapy in Musculo skeletal Sciences | PSIO4101 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 2 | Physiotherapy in Musculo-skeletal Sciences Lab | PSIO4102 | 0 | 4 | 0 | 3 | 3.0 | 25 (P) + 5 (SCT)=30 | 50 | 80 |
| 3 | Physiotherapy in Community based Rehabilitation | PSIO4103 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 4 | Physiotherapy in Community based Rehabilitation Lab | PSIO4104 | 0 | 4 | 0 | 3 | 3.0 | 25 (P) + 5 (SCT)=30 | 50 | 80 |
| 5 | Pediatrics / Manuel Therapy | PSIO4105 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| 6 | Pediatrics / Manuel Therapy Lab | PSIO4106 | 0 | 2 | 0 | 3 | 2.0 | 12.5 (P) +5.0 (SCT)=17.5 | 25 | 42.5 |
| 7 | Specialized Major Project (Group)** | PSIO4107 | 1 | 8 | 0 | 3 | 6.0 | 67.5 | 125 | 192.5 |
| | | Total | 11 | 18 | 0 | 12 | 24 | 270 | 500 | 770 |

**** Only advisory support shall be provided by the Faculty**

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3 SPT / SCT hrs. = 1 credit**

Semester: VIII

| SNO | MODULE | MODULE CODE | TEACHING SCHEDULE PERWEEK | | | | CREDITS | EVALUATION SCHEME | | |
|-----|---|--------------|---------------------------|-----------|----------|-----------|-----------|---------------------------|------|-------|
| | | | L | P | SPT | SCT | | INT. | EXT. | TOTAL |
| 1 | Physiotherapy in Neuro Sciences | PSIO4108 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 2 | Physiotherapy in Neuro Sciences Lab | PSIO4109 | 0 | 4 | 0 | 3 | 3.0 | 25 (P) + 5 (SCT)=30 | 50 | 80 |
| 3 | Physiotherapy in Cardiorespiratory and General Conditions | PSIO4110 | 4 | 0 | 0 | 0 | 4.0 | 50 | 100 | 150 |
| 4 | Physiotherapy in Cardiorespiratory and General Conditions Lab | PSIO4111 | 0 | 4 | 0 | 3 | 3.0 | 25 (P) + 5 (SCT)=30 | 50 | 80 |
| 5 | Sports Physiotherapy | PSIO4112 | 2 | 0 | 0 | 0 | 2.0 | 25 | 50 | 75 |
| 6 | Sports Physiotherapy Lab | PSIO4113 | 0 | 2 | 0 | 3 | 2.0 | 12.5 (P) + 5.0 (SCT)=17.5 | 25 | 42.5 |
| 7 | Specialized Major Project (Group)** | PSIO4114 | 1 | 8 | 0 | 3 | 6.0 | 67.5 | 125 | 192.5 |
| | | Total | 11 | 18 | 0 | 12 | 24 | 270 | 500 | 770 |

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Compulsory Rotatory Internship for Six Months (26 Weeks)

| SNO | MODULE | MODULE CODE | TEACHING SCHEDULE PERWEEK | | | | CREDITS | EVALUATION SCHEME | | |
|-----|------------------------------|--------------|---------------------------|----------|----------|-----------|-----------|-------------------|-----------|------------|
| | | | L | p | SPT | SCT | | INT. | EXT. | TOTAL |
| 1 | Clinical Rotatory Internship | PSIO5101 | 0 | 0 | 0 | 33 | 11.0 | 55 | 0 | 55 |
| 2 | Internship Project Report | PSIO5102 | 0 | 0 | 0 | 9 | 3.0 | 15 | 75 | 90 |
| | | Total | 0 | 0 | 0 | 42 | 14 | 70 | 75 | 145 |

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