

# Course description

## Part 1

| Informacje ogólne o przedmiocie                                                                                                                                                                                                                                                                   |                                                                                |                              |                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------|------------------------------------------|
| 1. Major of study: Physiotherapy                                                                                                                                                                                                                                                                  |                                                                                | 2. Study level: unified MSc  |                                          |
|                                                                                                                                                                                                                                                                                                   |                                                                                | 3. Form of study: intramural |                                          |
| 4. Year: : IV                                                                                                                                                                                                                                                                                     |                                                                                | 5. Semester: VIII            |                                          |
| 6. Course name: Diagnostics and therapy of peripheral nervous tissue                                                                                                                                                                                                                              |                                                                                |                              |                                          |
| 7. Course status: optional                                                                                                                                                                                                                                                                        |                                                                                |                              |                                          |
| 8. Treści programowe:                                                                                                                                                                                                                                                                             |                                                                                |                              |                                          |
| Familiarizing students with the theoretical foundations of clinical neurodynamics.                                                                                                                                                                                                                |                                                                                |                              |                                          |
| Acquiring skills in selected specialized diagnostic and therapeutic techniques for peripheral nerves in the upper quadrant.                                                                                                                                                                       |                                                                                |                              |                                          |
| Learning outcomes/reference to learning outcomes contained in (underline as appropriate):                                                                                                                                                                                                         |                                                                                |                              |                                          |
| education standards (Regulation of the Minister of Science and Higher Education)/Resolution of the Senate of the Medical University of Silesia (provide terms contained in education standards/symbols of outcomes approved by the Resolution of the Senate of the Medical University of Silesia) |                                                                                |                              |                                          |
| in terms of knowledge, the student knows and understands: C.W7, C.W8                                                                                                                                                                                                                              |                                                                                |                              |                                          |
| in terms of skills, the student is able to: C.U10                                                                                                                                                                                                                                                 |                                                                                |                              |                                          |
| in terms of social competences, the student is ready to: OK_K05, OK_K06, OK_K07                                                                                                                                                                                                                   |                                                                                |                              |                                          |
| 9. Number of hours for the subject (contact hours/including communication hours*/self-study*)                                                                                                                                                                                                     | 20/ - / -                                                                      |                              | 10. Number of ECTS points for the course |
|                                                                                                                                                                                                                                                                                                   |                                                                                |                              | 1                                        |
| 11. Form of assessment: graded assessment                                                                                                                                                                                                                                                         |                                                                                |                              |                                          |
| 12. Methods of verification and evaluation of learning outcomes                                                                                                                                                                                                                                   |                                                                                |                              |                                          |
| Learning outcomes                                                                                                                                                                                                                                                                                 | Methods of verification                                                        | Methods of evaluation*       |                                          |
| Knowledge                                                                                                                                                                                                                                                                                         | Written evaluation – Test exam, single choice test<br>Multimedial presentation | *                            |                                          |
| Skills                                                                                                                                                                                                                                                                                            | Observation<br>Practical exam                                                  | *                            |                                          |
| Competencies                                                                                                                                                                                                                                                                                      | Observation                                                                    | *                            |                                          |

\* if required by the education standard

\*\*in the case of an exam/grade assessment, it is assumed that the grade corresponds to the following level:

\*\*\* in accordance with the course regulations

**Very good (5,0)** – the assumed learning outcomes have been achieved and significantly exceed the required level

**Better than good (4,5)** – the assumed learning outcomes have been achieved and slightly exceed the required level

**Good (4,0)** – the assumed learning outcomes have been achieved at the required level

**Better than satisfactory (3,5)** – the assumed learning outcomes have been achieved at the average required level

**Satisfactory (3,0)** – the assumed learning outcomes have been achieved at the minimum required level

**Unsatisfactory (2,0)** – the assumed learning outcomes have not been achieved

# Course description

## Part 2

| Other useful information about the course                                                                                                                                                               |                                                                                                                                                               |                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <b>12. Name of Department, mailing address, e-mail:</b><br>Department of Kinesitherapy and Special Methods<br>Medyków 12 street, 40-752 Katowice, tel. (32) 208-87-12<br>tmichalski@sum.edu.pl          |                                                                                                                                                               |                                                           |
| <b>13. Name of the course coordinator:</b><br>PhD, PT Tomasz Michalski                                                                                                                                  |                                                                                                                                                               |                                                           |
| <b>14. Prerequisites for knowledge, skills and other competencies:</b><br>Knowledge and skills in the field of subjects: manual therapy and special methods of physiotherapy.<br>Cooperation in a group |                                                                                                                                                               |                                                           |
| <b>15. Number of students in groups</b>                                                                                                                                                                 | In accordance with the Senate Resolution                                                                                                                      |                                                           |
| <b>16. Study materials</b>                                                                                                                                                                              | In accordance with the information in the course regulations                                                                                                  |                                                           |
| <b>17. Location of classes</b>                                                                                                                                                                          | In accordance with the classes schedule                                                                                                                       |                                                           |
| <b>18. Location and time for contact hours</b>                                                                                                                                                          | In accordance with the consultation schedule of the Department of Kinesitherapy and Special Methods, room 509, 5 floor, School of Health Sciences in Katowice |                                                           |
| 19. Learning outcomes                                                                                                                                                                                   |                                                                                                                                                               |                                                           |
| Number of the course learning outcome                                                                                                                                                                   | Course learning outcomes                                                                                                                                      | Reference to learning outcomes indicated in the standards |
| P_W01                                                                                                                                                                                                   | Knows the theoretical, methodical and practical basics of the methods used in the treatment of the peripheral nervous system                                  | C.W7                                                      |
| P_W02                                                                                                                                                                                                   | Knows the indications and contraindications for therapy in the treatment of the peripheral nervous system                                                     | C.W8                                                      |
| P_U01                                                                                                                                                                                                   | Demonstrates appropriate manual skills allowing the use of an appropriate technique in the field of therapy of the peripheral nervous system                  | C.U10                                                     |
| P_K01                                                                                                                                                                                                   | Can critically assess their own knowledge and recognize opportunities that will improve their qualifications                                                  | OK_K05                                                    |
| P_K02                                                                                                                                                                                                   | Can critically analyze valuable sources of information                                                                                                        | OK_K06                                                    |
| P_K03                                                                                                                                                                                                   | Can work and understand the principles of cooperation within a medical team                                                                                   | OK_K07                                                    |
| 20. Forms and topics of classes                                                                                                                                                                         |                                                                                                                                                               | Number of hours                                           |
| <b>20.1. Lectures</b>                                                                                                                                                                                   |                                                                                                                                                               | <b>10</b>                                                 |
| Physiology of the peripheral nervous system from a neurodynamic perspective.                                                                                                                            |                                                                                                                                                               | 5                                                         |
| Diagnostics of the peripheral nervous system—upper quadrant. Pathophysiology of the most common disorders within the upper quadrant.                                                                    |                                                                                                                                                               | 5                                                         |
| <b>20.2. Seminars</b>                                                                                                                                                                                   |                                                                                                                                                               | <b>0</b>                                                  |
| <b>20.3. Labs</b>                                                                                                                                                                                       |                                                                                                                                                               | <b>10</b>                                                 |
| Neurodynamic tests in the diagnosis of peripheral nervous system disorders – upper quadrant                                                                                                             |                                                                                                                                                               | 5                                                         |
| Therapeutic strategies for disorders of the peripheral nervous system—upper quadrant.                                                                                                                   |                                                                                                                                                               | 5                                                         |
| <b>20.4 Self-study</b>                                                                                                                                                                                  |                                                                                                                                                               |                                                           |
| 21. Readings                                                                                                                                                                                            |                                                                                                                                                               |                                                           |
| 1. Clinical Neurodynamics: A New System of Neuromusculoskeletal Treatment. Michael Shacklock<br>2. Neurodynamics. Dimon Theodore. North Atlantic Books. S. 2019                                         |                                                                                                                                                               |                                                           |
| 22. Detail evaluation criteria                                                                                                                                                                          |                                                                                                                                                               |                                                           |

In accordance with the recommendations of the inspection bodies

Completion of the course – student has achieved the assumed learning outcomes

Detail criteria for completion and evaluation of the course are specified in the course regulations