

**SYLLABUS**  
**STATE UNIVERSITY OF APPLIED SCIENCES IN WLOCLAWEK**

**Course Name: Neurology and neurological nursing: Neurology**

| <b>Faculty:</b>   |   | first-cycle nursing studies (undergraduate)   |         |              |      |                     | <b>Course Code</b> |                       |
|---|---|---|---------|--------------|------|---------------------|--------------------|-----------------------|
| <b>Speciality/specialization:</b>   |   | not applicable  |         |              |      |                     |                    |                       |
| <b>Unit hosting the Faculty:</b>  |   | Faculty of Health Sciences  |         |              |      |                     |                    |                       |
| <b>Course Profile:</b>  |   | PRACTICAL PROFILE   |         |              |      |                     |                    |                       |
| <b>Course Language:</b>   |   | Polish/English  |         |              |      |                     |                    |                       |
| <b>Course Category:</b>   |   | Core Course   |         |              |      |                     |                    |                       |
| <b>Academic year: 2021/2022</b>   |   |   |         |              |      | <b>Semester: VI</b> |                    |                       |
| <b>Number of hours required to complete the course in full time-mode</b>  |   |   |         |              |      |                     |                    |                       |
| TOTAL   | lecture   | ACTIVE FORMS  |         |              |      |                     |                    |                       |
|   |   | ZBUN  | classes | conservatory | labs | seminar             | workshops          | professional training |
| 30  | 20 z using distance learning methods and techniques | 10  |         |              |      |                     |                    |                       |
| <b>Module name</b>  | <b>Specialized care sciences</b>                    |   |         |              |      |                     |                    |                       |
| <b>Number of hours required to complete the course in part-time mode:</b> |   |   |         |              |      |                     |                    |                       |
| TOTAL   | lecture   | ACTIVE FORMS  |         |              |      |                     |                    |                       |
|   |   | ZBUN  | classes | conservatory | labs | seminar             | workshops          | professional training |
|   |   |   |         |              |      |                     |                    |                       |
| <b>Module name</b>  |   |   |         |              |      |                     |                    |                       |
| <b>Method of carrying out all active forms of classes:</b>                |   | Lecture using distance learning methods and techniques  |         |              |      |                     |                    |                       |
| <b>Specification of introductory courses with prerequisites:</b>          |   | The student should have knowledge of anatomy, physiology, pathology, pharmacology and know the tasks of a nurse in health promotion and disease prevention. |         |              |      |                     |                    |                       |
| <b>Education goal:</b>  |   | After completing the educational program, the student knows the pathogenesis, symptomatology, diagnosis and methods of therapy of neurological diseases.    |         |              |      |                     |                    |                       |

|  |                  |   |                                |
|--|------------------|---|--------------------------------|
| Learning outcome and methods of verification | <b>COURSE</b>    |   |                                |
|  | <i>Knowledge</i> | K_D.W01. The student knows the risk factors and health threats in patients of different ages  | test using the Moodle platform |
|  |                  | K_D.W02. The student knows the etiopathogenesis, clinical symptoms, course, treatment, prognosis and principles of nursing care for patients in selected diseases.  | test using the Moodle platform |
|  |                  | K_D.W03. The student knows the principles of diagnosing and planning patient care in internal medicine, surgical, obstetrics and gynecology, pediatrics, geriatrics, neurology, psychiatry, intensive care, palliative care, long-term care                   | test using the Moodle platform |
|  |                  | K_D.W04. The student knows the types of diagnostic tests and the rules for ordering them  | test using the Moodle platform |
|  |                  | K_D.W05. The student knows the principles of preparing patients of various ages and health conditions for diagnostic tests and procedures, as well as the principles of care during and after these tests and procedures.                                     | test using the Moodle platform |
|  |                  | K_D.W06. The student knows the properties of groups of drugs and their effect on the patient's systems and organs in various diseases depending on age and health status, including side effects, interactions with other drugs and routes of administration; | test using the Moodle platform |
|  |                  | K_D.W07. The student knows nursing standards and procedures used in the care of patients of various ages and health conditions  | test using the Moodle platform |
|  |                  | K_D.W08. The student knows the patient's reactions to illness, admission to hospital, hospitalization   | test using the Moodle platform |
|  |                  | K_D.W10. The student knows the principles of organizing specialist care (geriatric, intensive care, neurological, psychiatric, pediatric, internal medicine, surgical, palliative, long-term care and in the operating theater                                | test using the Moodle platform |
|  |                  | K_D.W18 The student knows methods, techniques and tools for assessing the state of consciousness and consciousness;   | test using the Moodle platform |
|  |                  | K_D.W26 The student knows the basic directions of medical and vocational rehabilitation;  | test using the Moodle platform |
|  |                  | K_D.W27 The student knows the course and methods of rehabilitation in various diseases;   | test using the Moodle platform |
|  |                  | K_D.W28 The student knows the standards and procedures for emergency situations and life-saving procedures;   | test using the Moodle platform |
|  |                  | K_D.W31 The student knows the pathophysiology and clinical symptoms of life-threatening diseases (respiratory failure, circulatory failure, nervous system failure, shock, sepsis);   | test using the Moodle platform |

|                           |  |   |   |
|---------------------------|--|---|---|
|                           |  | K_D.W33. The student knows methods and techniques of communicating with a patient who is unable to establish and maintain effective communication due to his health condition or treatment.   | test using the Moodle platform              |
| <i>Skills</i>             |  | K_D.U01 The student is able to collect information, formulate a nursing diagnosis, set goals and a nursing care plan, implement nursing interventions and evaluate nursing care   | test using the Moodle platform presentation |
|                           |  | K_D.U02 The student is able to provide self-care counseling to patients of various ages and health conditions regarding developmental defects, diseases and addictions  | test using the Moodle platform presentation |
|                           |  | K_D.U03 The student is able to prevent complications occurring in the course of diseases  | test using the Moodle platform presentation |
|                           |  | K_D.U18 The student is able to recognize complications of pharmacological, dietary, rehabilitation and medical and care treatment   | test using the Moodle platform presentation |
| <i>Social Competences</i> |  | K_E.K05. The student seeks the opinion of experts in case of difficulties in solving the problem independently  | test using the Moodle platform presentation |
|                           |  | K_E.K07. The student notices and recognizes his or her own limitations in terms of knowledge, skills and social competences and self-assesses educational deficits and needs  | test using the Moodle platform presentation |
| <b>WYKŁADY</b>            |  |   |   |
| <i>wiedza</i>             |  | K_D.W01. The student knows the risk factors and health threats in patients of different ages  |   |
|                           |  | K_D.W02. The student knows the etiopathogenesis, clinical symptoms, course, treatment, prognosis and principles of nursing care for patients in selected diseases.  |   |
|                           |  | K_D.W03. The student knows the principles of diagnosing and planning patient care in internal medicine, surgical, obstetrics and gynecology, pediatrics, geriatrics, neurology, psychiatry, intensive care, palliative care, long-term care                   |   |
|                           |  | K_D.W04. The student knows the types of diagnostic tests and the rules for ordering them  |   |
|                           |  | K_D.W05. The student knows the principles of preparing patients of various ages and health conditions for diagnostic tests and procedures, as well as the principles of care during and after these tests and procedures.                                     |   |
|                           |  | K_D.W06. The student knows the properties of groups of drugs and their effect on the patient's systems and organs in various diseases depending on age and health status, including side effects, interactions with other drugs and routes of administration; |   |
|                           |  | K_D.W07. The student knows nursing standards and procedures used in the care of patients of various ages and health conditions  |   |
|                           |  | K_D.W08. The student knows the patient's reactions to illness, admission to hospital, hospitalization   |   |
|                           |  | K_D.W10. The student knows the principles of organizing specialist care (geriatric, intensive care, neurological, psychiatric, pediatric, internal medicine, surgical, palliative, long-term care and in the operating theater                                |   |

|                   |  |   |
|-------------------|--|---|
|                   |  | K_D.W18 The student knows methods, techniques and tools for assessing the state of consciousness and consciousness;   |
|                   |  | K_D.W26 The student knows the basic directions of medical and vocational rehabilitation;  |
|                   |  | K_D.W27 The student knows the course and methods of rehabilitation in various diseases;   |
|                   |  | K_D.W28 The student knows the standards and procedures for emergency situations and life-saving procedures;   |
|                   |  | K_D.W31 The student knows the pathophysiology and clinical symptoms of life-threatening diseases (respiratory failure, circulatory failure, nervous system failure, shock, sepsis);   |
|                   |  | K_D.W33. The student knows methods and techniques of communicating with a patient who is unable to establish and maintain effective communication due to his health condition or treatment.   |
|                   | <i>Umiejętności</i>  | K_D.U18 rozpoznawać powikłania leczenia farmakologicznego, dietetycznego, rehabilitacyjnego i leczniczo-pielęgnacyjnego;  |
|                   | <i>Kompetencje społeczne</i>                                       | K_E.K07 dostrzegania i rozpoznawania własnych ograniczeń w zakresie wiedzy, umiejętności i kompetencji społecznych oraz dokonywania samooceny deficytów i potrzeb edukacyjnych.   |
|                   | <b>ZBUN</b>  |   |
|                   | <i>Wiedza</i>  | K_D.W03 zasady diagnozowania i planowania opieki nad pacjentem w pielęgniarstwie internistycznym, chirurgicznym, położniczo-ginekologicznym, pediatrycznym, geriatrycznym, neurologicznym, psychiatrycznym, w intensywnej opiece medycznej, opiece paliatywnej, opiece długoterminowej; |
|                   |  | K_D.W07 standardy i procedury pielęgniarstwa stosowane w opiece nad pacjentem w różnym wieku i stanie zdrowia;  |
|                   |  | K_D.W10 zasady organizacji opieki specjalistycznej (geriatrycznej, intensywnej opieki medycznej, neurologicznej, psychiatrycznej, pediatrycznej, internistycznej, chirurgicznej, paliatywnej, długoterminowej oraz na bloku operacyjnym);   |
|                   |  | K_D.W28 standardy i procedury postępowania w stanach nagłych i zabiegach ratujących życie;  |
|                   |  | K_D.W31 patofizjologię i objawy kliniczne chorób stanowiących zagrożenie dla życia (niewydolność oddechowa, niewydolność krążenia, niewydolność układu nerwowego, wstrząs, sepsa);  |
|                   | <i>Umiejętności</i>  | K_D.U01 The student is able to collect information, formulate a nursing diagnosis, set goals and a nursing care plan, implement nursing interventions and evaluate nursing care   |
|                   |  | K_D.U02 The student is able to provide self-care counseling to patients of various ages and health conditions regarding developmental defects, diseases and addictions  |
|                   | <i>Kompetencje społeczne</i>                                       | K_E.K05. The student seeks the opinion of experts in case of difficulties in solving the problem independently  |
|                   |  | K_E.K07. The student notices and recognizes his or her own limitations in terms of knowledge, skills and social competences and self-assesses educational deficits and needs  |
| <b>Curriculum</b> | <b>LECTURES</b>  |   |
|                   | Reference to learning outcomes /Symbol of the implemented learning | NUMBE<br>R OF<br>HOURS  |
|                   |  | TOTAL<br>NUMBE<br>R OF<br>HOURS   |

|  |  |   |    |    |
|--|--|---|----|----|
|  | 1. Introduction to the issues of neurology and neurosurgery - etiopathogenesis of neurological disorders, disorders of basic vital functions and their impact on the functioning of the nervous system, disorders of sensation, movement and muscle tone, diagnostic methods used in neurology / neurosurgery. | K_D.W02<br>K_D.W26<br>K_D.W27<br>K_D.W04<br>K_D.W33<br>K_D.W05<br>K_E.K07                       | 5  | 20 |
|  | 2. Neurological diseases treated conservatively - cerebrovascular diseases (stroke), demyelinating diseases (multiple sclerosis), diseases of the extrapyramidal system (Parkinson's disease), epilepsy and seizures, dementia disorders (Alzheimer's disease)   | K_D.W10<br>K_D.W07<br>K_D.W01<br>K_D.W04<br>K_D.W05<br>K_D.W06<br>K_D.W33<br>K_D.U18<br>K_E.K07 | 12 |    |
|  | 3. Neurological diseases treated surgically - vascular malformations, brain and spinal cord tumors,  | K_D.W18<br>K_D.W31<br>K_D.W03<br>K_D.W08<br>K_D.W28<br>K_D.U18<br>K_E.K07                       | 3  |    |
|  | <b>ZBUN</b>  |   |    |    |
|  | 1. Neurological examinations in the professional practice of a nurse.  | K_D.W03<br>K_D.W10<br>K_E.K07   | 5  | 10 |
|  | 2. Life-threatening conditions in neurology - tasks for the therapeutic team.  | K_D.W28<br>K_D.W31<br>K_D.U02<br>K_D.U01<br>K_E.K05<br>K_D.W07                                  | 5  |    |

|                                      |  |   |          |           |          |
|--------------------------------------|--|---|----------|-----------|----------|
| <b>Methods of conducting classes</b> | <b>Lectures</b><br>informative lecture<br>problem lecture<br>interactive lecture<br>online lectures<br><b>ZBUN</b><br>project method, literature analysis  |   |          |           |          |
| <b>Teaching resources</b>            | <b>Lectures</b><br>Multimedia presentations, multimedia programs, whiteboards, Teams platform<br><b>ZBUN</b><br>medical and professional literature, electronic databases of scientific information, multimedia presentation |   |          |           |          |
| <b>Student workload/ECTS points</b>  | <b>Forms of activity</b>   | <b>Avarage number of hours to complete the activity</b> |          |           |          |
|                                      |  | Full-time   |          | Part-time |          |
|                                      |  | W   | AF/..... | W         | AF/..... |
|                                      | <b>Number of hours with the participation of an academic teacher</b>   | 20  | -        |           |          |
|                                      | <b>ZBUN Number of hours</b>  | 10  |          |           |          |
|                                      | <b>Number of hours without the particiaption of an academic teacher</b>  |   |          |           |          |

|   |          |   |  |  |
|---|----------|---|--|--|
| 1. Preparation for classes, including studying the recommended literature | 0,5      | - |  |  |
| 2. Processing of the results/preparation for the exam, tests, other       | 0,5      | - |  |  |
| 3. Preparation of a raport, presentation, discussion                      | -        | - |  |  |
| <b>Total</b>  | 1        |   |  |  |
| <b>Total number of ECTS points for the form of classes conducted:</b>     |          |   |  |  |
| <b>- number of hours with the participation of an academic teacher</b>    | 0,4      | - |  |  |
| <b>- number of hours without the participation of an academic teacher</b> | 0,1      | - |  |  |
| <b>- ZBUN</b>   | 0,5      |   |  |  |
| <b>Total number of ECTS points for the Course</b>                         | <b>1</b> |   |  |  |

**Form and methods of passing, assessment criteria or requirements.**  
**a) methods of passing**  
**b) form of passing**  
**c) requirements**

**Lectures**

- a) pass with grade
- b) test using the Moodle platform
- c) obtaining  $\geq 60\%$  of the required test score

**ZBUN**

- a) pass
- b) preparation and presentation of the project/term paper
- c) obtaining  $\geq 60\%$  of the required score for the preparation and presentation of the final paper

**CRITERIA FOR ASSESSING LEARNING OUTCOMES ACHIEVED**

| For a grade of 2<br>/insufficient/   | For a grade of 3<br>/sufficient/   | For a grade of 3.5<br>/sufficient +/  | For a grade of 4<br>/good/  | For a grade of 4.5<br>/good +/   | For a grade of 5<br>/very good/   |
|--|--|---|---|--|---|
| <b>59% and below</b><br>of the score obtained for the prescribed forms of verification of the learning outcomes  | <b>60-69%</b><br>of the score obtained for the prescribed forms of verification of the learning outcomes   | <b>70-75%</b><br>of the score obtained for the prescribed forms of verification of the learning outcomes  | <b>76-85%</b><br>of the score obtained for the prescribed forms of verification of the learning outcomes  | <b>86-91%</b><br>of the score obtained for the prescribed forms of verification of the learning outcomes   | <b>92-100%</b><br>of the score obtained for the prescribed forms of verification of the learning outcomes   |
| Student<br>- has not achieved the basic knowledge and skills related to the subject,<br>- is not able to use the acquired basic information and demonstrate knowledge and skills;<br>the required learning outcomes have not been achieved.<br>- does not show commitment and interest in the subject. | Student<br>- has incomplete basic knowledge and skills related to the subject,<br>- Has great difficulty in using the acquired information;<br>has mastered the educational effects to a sufficient degree.<br>- Shows little interest in professional issues. | Student<br>- has basic knowledge and skills to understand most of the issues in the subject,<br>- has difficulties in using the acquired information;<br>has mastered the educational effects to a satisfactory degree.<br>- demonstrates a sense of responsibility for the health and life of patients, shows a desire for professional improvement. | Student<br>- has knowledge and skills in the field of expanding content, allowing to understand the issues covered by the educational program<br>- correctly, although in an unstructured manner, presents the acquired knowledge and skills, recognizes the errors made when solving a specific task; has mastered the educational effects to a good degree.<br>- demonstrates a full sense of responsibility for the health and life of patients, shows a desire for continuous professional development. | Student<br>- has knowledge and skills in the field of expanding content, allowing to understand the issues covered by the educational program<br>- presents a correct body of knowledge, recognizes and corrects errors made in solving a specific task; he has mastered the educational effects at a level above good.<br>- is responsible, conscientious, feels the need for continuous professional | Student<br>- has full knowledge and skills prescribed in the educational program in terms of complementary content,<br>- independently solves problems and formulates conclusions, is able to correctly argue and prove his points;<br>has mastered the educational effects at a very good level.<br>- is involved in the implementation of assigned tasks, responsible, conscientious, feels the need for continuous professional development. |

|  |  |  |  |              |  |
|--|--|--|--|--------------|--|
|  |  |  |  | development. |  |
|  |  |  |  |              |  |

**CRITERIA FOR EVALUATION OF THE ACHIEVED LEARNING OUTCOMES BY MEANS OF A TEST/WRITTEN EXAM**

| For a grade of 2<br>/insufficient/  | For a grade of 3<br>/sufficient/  | For a grade of 3.5<br>/sufficient +/  | For a grade of 4<br>/good/   | For a grade of 4.5<br>/good +/  | For a grade of 5<br>/very good/  |
|---|---|---|--|---|--|
| <b>59% and below</b><br>of the score obtained<br>for the prescribed<br>forms of verification<br>of the learning<br>outcomes | <b>60-69%</b><br>of the score<br>obtained for the<br>prescribed forms<br>of verification of<br>the learning<br>outcomes | <b>70-75%</b><br>of the score<br>obtained for the<br>prescribed forms<br>of verification of<br>the learning<br>outcomes | <b>76-85%</b><br>of the score obtained<br>for the prescribed<br>forms of verification<br>of the learning<br>outcomes | <b>86-91%</b><br>of the score<br>obtained for the<br>prescribed forms<br>of verification of<br>the learning<br>outcomes | <b>92-100%</b><br>of the score<br>obtained for the<br>prescribed forms<br>of verification of<br>the learning<br>outcomes |

**CRITERIA FOR EVALUATING STUDENT'S ORAL ANSWERS DURING THEORETICAL CLASSES/THEORETICAL EXAM**

| No.                                    | CRITERIA   | NUMBER OF POINTS |             |
|--|--|------------------|-------------|
|  |  | TEACHER          | STUDENT     |
| I.                                     | Demonstrate knowledge and understanding of the topic.                    | 0 – 6            | 0-6         |
| II.                                    | Conformity of formulated statements with the state of current knowledge. | 0 – 6            | 0-6         |
| III.                                   | Terminological and linguistic correctness.                               | 0 - 4            | 0-4         |
| IV.                                    | Logical arrangement of content   | 0 - 2            | 0-2         |
| <b>TOTAL NUMBER OF OBTAINED POINTS</b> |  | <b>0-18</b>      | <b>0-18</b> |

| POINTS       | GRADE           |
|--------------|-----------------|
| 17 – 18      | Very good       |
| 16           | Good plus       |
| 14 - 15      | Good            |
| 13           | Sufficient plus |
| 11 – 12      | Sufficient      |
| 10 and below | Insufficient    |

**CRITERIA FOR EVALUATING WRITTEN WORKS COMPLETED BY STUDENTS UNDER ZBUN**

| No.                             | CRITERIA   | NUMBER OF POINTS |         |
|---------------------------------|--|------------------|---------|
|                                 |  | TEACHER          | STUDENT |
| I.                              | Demonstrating knowledge and understanding of the topic.  | 0 – 5            | 0 – 5   |
| II.                             | Conformity of the formulated statements with the state of current nursing and other knowledge. | 0 - 5            | 0 - 5   |
| III.                            | Terminological and linguistic correctness.   | 0 – 4            | 0 – 4   |
| IV.                             | Logical arrangement of content.  | 0 - 2            | 0 - 2   |
| V.                              | Selection of literature.   | 0 – 2            | 0 – 2   |
| TOTAL NUMBER OF OBTAINED POINTS |  | 0- 18            | 0-18    |

| POINTS       | GRADE           |
|--------------|-----------------|
| 17 – 18      | Very good       |
| 16           | Good plus       |
| 14 - 15      | Good            |
| 13           | Sufficient plus |
| 11 – 12      | Sufficient      |
| 10 and below | Insufficient    |

**CRITERIA FOR EVALUATING STUDENT'S ATTITUDE DURING CLASSES, WORKSHOPS, AND PROFESSIONAL TRAINING**

| No.    | CRITERIA                                  | NUMBER OF POINTS |         |
|--------|---|------------------|---------|
|        |   | TEACHER          | STUDENT |
| 1      | ATTITUDE TOWARDS THE PATIENT              | 0-6              | 0-6     |
| 2      | ATTITUDE TOWARDS PROFESSION AND SCIENCE   | 0-6              | 0-6     |
| 3      | ATTITUDE TOWARD THE THERAPEUTIC TEAM      | 0-6              | 0-6     |
| 4      | RESPECT OF THE REGULATIONS BY THE STUDENT | 0-6              | 0-6     |
| TOTAL: |   | 0-24             | 0-24    |

**GRADING SCALE:**

below 14 pts. – insufficient  
 14-16 pts. – sufficient  
 17-18 pts – sufficient plus  
 19-20 pts. - good  
 21-22 pts. –good plus  
 23-24 pts. - very good

**List of literature**

**Required literature:**

- Adamkiewicz B.: Neurologia dla studentów pielęgniarstwa. Wyd. Wolters Kluwer Polska. Warszawa. 2010
- Kozubski W. (red.): Neurologia : kompendium. Wydawnictwo Lekarskie PZWL, Warszawa 2017

**Supplementary literature:**

- Adamczyk K.: Pielęgnowanie chorych po udarach mózgowych. Wyd. Czelej. Lublin. 2003
- Adamczyk K., Turowski K.: Procedury pielęgnowania w neurologii i neurochirurgii. Wyd. Neurocentrum. Lublin. 2007
- Fuller G.: Badanie neurologiczne. Wyd. Lek. PZWL. Warszawa. 2005
- Jabłońska R., Ślusarz R.: Wybrane problemy pielęgnacyjne pacjenta w schorzeniach układu nerwowego. Wyd. Continuo. Wrocław 2012
- Jaracz K., Kozubski W. (red.): Pielęgniarstwo neurologiczne. Podręcznik dla studiów medycznych. Wyd. Lek. PZWL. Warszawa 2008
- Berlit P.; Neurologia : kompendium; z niem. tł. Antoni Prusiński. - Warszawa : Wydawnictwo Lekarskie PZWL, 2008
- Prusiński A.: Neurologia praktyczna; Wyd. 3 uaktual., 4 dodr. - Warszawa : Wydawnictwo Lekarskie PZWL, 2015. (Biblioteka Lekarza Praktyka, ISSN 1428-4413 ; 3)

**Names of the person(s) developing the subject description: .....**

**Names of persons teaching the subject:**

**Lectures.....**



**ZBUN.....**