

Course description

Part 1

General information about the course	
1. Major of study: medicine	2. Study level: unified MSc 3. Form of study: intramural
4. Year: VI	5. Semester: XI, XII
6. Course name: Internal Medicine Sub-I - dermatology	
7. Course status: required	
8. Course contents and assigned learning outcomes <ol style="list-style-type: none"> 1. Symptomatology, etiology, environmental and epidemiological characteristic of the most common burden of the skin. Diagnostic and treatment management. 2. Causative factors, symptoms, diagnostic and treatment management in the most common sexually transmitted diseases. 3. Sampling procedures and laboratory techniques in Dermatology. 4. Knowledge and interpretation of allergy tests. 5. Diagnostic management in different skin conditions and methods of description of skin lesions in Dermatology. 6. Management with medical data of patients. <p>Ad. 1. Knowledge of causative factors, manifestations, environmental and epidemiological determinants of the most common burden of the skin. Knowledge and understanding of both diagnostic and treatment management in the most common burden of the skin. Student can obtain necessary medical data from patients affected by skin diseases. Student is potent to make differential diagnostic management of skin diseases. Student can proceed diagnostic and treatment management giving a recommendation for profilaxis. Student can customize diagnostic and treatment management to the patient in case of a failure or contraindications to standard recommendations. Identification and qualification of subjects who require inpatient care.</p> <p>Ad. 2. Knowledge of causative factors, manifestations and prevalence of the most common sexually transmitted diseases. Knowledge and understanding of diagnostic and treatment management in the most common sexually transmitted diseases. Student can schedule diagnostic and treatment management to prevent from infections in case of exposure to the blood.</p> <p>Ad. 3. Knowledge of procedures how to obtain biological samples in Dermatology. Student can take material for laboratory diagnostic tests. Student can collect biological samples from the nosa, throat and the skin.</p> <p>Ad. 4. Knowledge how to perform allergy tests in Dermatology. Understanding of those test and their interpretation. Student can attend at following medical procedures: application of intradermal and patch allergy tests with their later interpretation.</p> <p>Ad. 5. Knowledge of medical interview and algorithms of physical examination in different skin conditions. Student can interview patient to collect necessary medical data.</p> <p>Ad. 6. Knowledge how to collect medical data of patients.</p> <p>Learning outcomes / reference to learning outcomes indicated in the standards</p> <p>For knowledge – student knows and understands: E.W1, E.W7.8, E.W35, E.W38, E.W39, E.W40</p> <p>For skills student can do E.U1, E.U12, E.U17, E.U20, E.U21, E.U22, E.U23, E.U24, E.U26, E.U27, E.U28, E.U29.6, E.U30.7, E.U35, E.U38</p> <p>/ For social competencies student is ready to:</p> <ol style="list-style-type: none"> 1. to establish deep and respectful attitude to the patient, 2. guiding the good of the sick person, 	

3. ability to maintain medical confidentiality and to respect patient rights,
4. awareness of self-limitation
5. willingness of self-improvement,
6. propagating pro-health behavior,
7. using objective sources of medical information,
8. ability to establish conclusions based on own measurements and perceptions,
9. readiness to team work including a cooperation with other medical staff regardless of cultural and national origin,
10. ability to establish own opinion on different aspects of the medical activity,
11. responsibility for outcomes of the own safety and other people

9. Number of hours for the course:	30
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10. Number of ECTS points for the course: <i>*for the whole block of internal medicine sub-I</i>	9
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11. Methods of verification and evaluation of learning outcomes

Learning outcomes	Methods of verification	Methods of evaluation*
Knowledge E.W1, E.W7.8, E.W35, E.W38, E.W39, E.W40	Oral evaluation – open questions	*
Skills E.U1, E.U12, E.U17, E.U28, E.U29.6, E.U30.7	Practical exam	*
Competencies	Observation	*

* The following evaluation system has been assumed:

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	
12. Name of Department, mailing address, e-mail:	Chair and Department of Dermatology, School of Medicine in Katowice, Medical University of Silesia, Katowice 40-027, 20/24 Francuska St, kikderm@sum.edu.pl
13. Name of the course coordinator:	Prof. Beata Bergler-Czop, PhD, MD
14. Prerequisites for knowledge:	<ol style="list-style-type: none"> 1. Knowledge of causative factors, manifestations, environmental and epidemiological determinants of the most common burden of the skin. Knowledge and understanding of both diagnostic and treatment management in the most common burden of the skin. 2. Knowledge of causative factors, manifestations and prevalence of the most common sexually transmitted diseases. Knowledge and understanding of diagnostic and treatment management in the most common sexually transmitted diseases. 3. Knowledge of procedures how to obtain biological samples in Dermatology. 4. Knowledge how to perform allergy tests in Dermatology. Understanding of those test and their interpretation. 5. Knowledge of medical interview and algorithms of physical examination in different skin conditions. 6. Knowledge how to collect medical data of patients. <p>Prerequisites for skills:</p> <ol style="list-style-type: none"> 1. Student can obtain necessary medical data from patients affected by skin diseases. 2. Student can perform physical examination of patients affected by skin diseases. 3. Student is potent to make differential diagnostic management of skin diseases. 4. Student can proceed diagnostic and treatment management giving a recommendation for profilaxis. 5. Student can customize diagnostic and treatment management to the patient in case of a failure or contraindications to standard recommendations. 6. Identification and qualification of subjects who require inpatient care. 7. Student is potent to identify those conditions for which survival time, functionality or individual preferences of patients' exclude a management according to guidelines. 8. Student can perform functional assessment of disabled patients. 9. Student can propose rehabilitation program for the most common burden of the skin. 10. Student can interpret laboratory tests to identify fluently deviations. 11. Student can schedule diagnostic and treatment management to prevent from infections in case of exposure to the blood. 12. Student can qualify patient for vaccination. 13. Student can take material for laboratory diagnostic tests. 14. Student can collect biological samples from the nose, throat and the skin. 15. Student can attend at following medical procedures: application of intradermal and patch allergy tests with their later interpretation. 16. Student can evaluate exstensity of bedsores and is potent to suggest appropriate treatment management. 17. Student can interview patient to collect necessary medical data. <p>Prerequisites for other competencies:</p> <ol style="list-style-type: none"> 1. Readiness to establish deep and respectful attitude to the patient. 2. Guiding the good of the sick person. 3. Ability to maintain medical confidentiality and to respect patient rights. 4. Awareness of self-limitation and willingness of self-improvement.
15. Number of students in groups	In accordance with the Senate Resolution

16. Study materials	<ol style="list-style-type: none"> 1. Multimedial presentations. 2. Presentation of case reports. 3. Contact with patients to perform interview and physical examination. 4. Attendance to diagnostic and therapeutic procedures. 	
17. Location of classes	Dermatology, School of Medicine in Katowice, Medical University of Silesia, Katowice 40-027, 20/24 Francuska St	
18. Location and time for contact hours	Monday-Friday 8.00-13.00 Room 12 (Prof. Beata Bergler-Czop), Dermatology, School of Medicine in Katowice, Medical University of Silesia, Katowice 40-027, 20/24 Francuska St;	
19. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
LK4_derm_K01	Knowledge of causative factors, manifestations, environmental and epidemiological determinants of the most common burden of the skin. Knowledge and understanding of both diagnostic and treatment management in the most common burden of the skin.	E.W1 E.W7.8 E.W35
LK4_derm_K02	Knowledge of causative factors, manifestations and prevalence of the most common sexually transmitted diseases. Knowledge and understanding of diagnostic and treatment management in the most common sexually transmitted diseases.	E.W1 E.W38
LK4_derm_K03	Knowledge of procedures how to obtain biological samples in Dermatology.	E.W40
LK4_derm_K04	Knowledge how to perform allergy tests in Dermatology. Understanding of those test and their interpretation.	E.W7.8 E.W40
LK4_derm_K05	Knowledge of medical interview and algorithms of physical examination in different skin conditions.	E.W38
LK4_derm_K06	Knowledge how to collect medical data of patients.	E.W39
LK4_derm_S01	Student can obtain necessary medical data from patients affected by skin diseases.	E.U1
LK4_derm_S02	Student can perform physical examination of patients affected by skin diseases.	E.U1
LK4_derm_S03	Student is potent to make differential diagnostic management of skin diseases.	E.U12,
LK4_derm_S04	Student can proceed diagnostic and treatment management giving a recommendation for prophylaxis.	E.U17
LK4_derm_S05	Student can customize diagnostic and treatment management to the patient in case of a failure or contraindications to standard recommendations.	E.U17
LK4_derm_S06	Identification and qualification of subjects who require inpatient care.	E.U20
LK4_derm_S07	Student is potent to identify those conditions for which survival time, functionality or individual preferences of patients' exclude a management according to guidelines.	E.U21
LK4_derm_S08	Student can perform functional assessment of disabled patients.	E.U22
LK4_derm_S09	Student can propose rehabilitation program for the most common burden of the skin.	E.U23
LK4_derm_S10	Student can interpret laboratory tests to identify fluently deviations.	E.U24
LK4_derm_S11	Student can schedule diagnostic and treatment management to prevent from infections in case of exposure to the blood.	E.U26
LK4_derm_S12	Student can qualify patient for vaccination.	E.U27

LK4_derm_S13	Student can take material for laboratory diagnostic tests.	
LK4_derm_S14	Student can collect biological samples from the nose, throat and the skin.	E.U29.6
LK4_derm_S15	Student can attend at following medical procedures: application of intradermal and patch allergy tests with their later interpretation.	E.U30.7
LK4_derm_S16	Student can evaluate extensity of bedsores and is potent to suggest appropriate treatment management.	E.U35
LK4_derm_S17	Student can interview patient to collect necessary medical data.	E.U38
20. Forms and topics of classes		Number of hours
21.1. Lectures		
W1. Hemangiomas. Skin paraneoplastic syndromes. Burden of the skin in diabetes. Skin manifestations of thyroid diseases. Skin changes in the course of urinary tract disorders. Skin manifestations of gastrointestinal disorders.		2
W2. Hair loss - causes and methods of prevention.		2
W3. Early acquired syphilis. Secondary syphilis. Non-infectious dermatoses of the genital area in both sexes. Contagious dermatitis of the genital area in both sexes.		2
W4. Burden of the skin in pregnancy. Skin pathologies and disorders of the muskuloskeletal system. Drug-induced hair loss.		2
W5. Itch - classification, causes, diagnostic and treatment management.		1
W6. Phototherapy in dermatology. Congenital syphilis.		1
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23.3. Labs		
C1. Semiotics. Most common sexually transmitted diseases: syphilis, gonorrhoea, NGU.		2
C2. Bacterial diseases. Borreliosis. Leg ulcers. Bedsores.		2
C3. Fungal, viral and parasitic diseases of the skin.		2
C4. Psoriasis. Erythema. Lichen planus.		3
C5. Allergic skin diseases.		3
C6. Seborrheic diseases and acne.		2
C7. Blistering skin disorders.		1
C8. Connective tissue diseases.		1
C9. Dermatological Oncology (pre-malignant conditions, benign and malignant tumors, melanoma).		3
C10. Parapsoriasis. Cutaneous lymphomas.		1
24. Readings		
1. Wolff K, Johnson RA, Saavedra AP, Roh EK. Fitzpatrick's Color Atlas and Synopsis of Clinical Dermatology. 8 th Edition. McGraw Hill Education 2017.		
2. Braun-Falco O, Plewig G, Burgdorf WHC, Wolff HH, Landthaler M. Braun-Falcos Dermatology. 3 rd Edition. Springer 2009.		
25. Detail evaluation criteria		
Completion of the course – student has achieved the assumed learning outcomes		
LO number	Methods of verification	Completion requirements
LK4_derm_K01	oral questions	giving the correct answer
LK4_derm_K02	oral questions	giving the correct answer
LK4_derm_K03	oral questions	giving the correct answer
LK4_derm_K04	oral questions	giving the correct answer
LK4_derm_K05	oral questions	giving the correct answer
LK4_derm_K06	oral questions	giving the correct answer
LK4_derm_S01	A practical task to perform an interview with a patient.	Properly done medical interview.
LK4_derm_S02	A practical task for the physical examination of a dermatological patient.	Properly performed physical examination.
LK4_derm_S03	Practical task to differentiate the most common skin diseases.	Differential diagnosis is properly performed.
LK4_derm_S04	A practical task to propose diagnostic and treatment management for dermatological patient.	A well-defined algorithm of diagnostic and therapeutic management.
LK4_derm_S05	A practical task for customization of diagnostic and treatment management to a patient with a failure to	Properly defined diagnostic and treatment plan in case of contraindications or ineffectiveness to standard

	standard recommendations.	recommendations.
LK4_derm_S06	A practical task to identify and qualify those subjects requiring inpatient care.	Well-defined qualification of subject to inpatient or outpatient medical care.
LK4_derm_S07	A practical task of identification those conditions for which survival time, functionality or individual preferences of patients' exclude a management according to guidelines prepared for the disease.	A well-performed identification of patients who require alternative management other than recommended by guidelines.
LK4_derm_S08	A practical task of proper functional assessment of disabled patients.	A properly defined functional assessment of a disabled patient.
LK4_derm_S09	A practical task of rehabilitation program proposal in the most common burden of the skin.	Properly proposed rehabilitation program in the most common burden of the skin.
LK4_derm_S10	Practical task of interpretation of laboratory tests with an identification of deviations.	Correct interpretation of laboratory tests.
LK4_derm_S11	A practical task to schedule diagnostic and treatment management to prevent from infections in case of exposure to the blood.	Well-defined behavior in case of exposure to blood-borne infections.
LK4_derm_S12	Practical task of qualification of patient for vaccination.	Patient correctly qualified for vaccination.
LK4_derm_S13	Practical task of taking material for laboratory diagnostic tests.	Properly collected biological material for laboratory purposes.
LK4_derm_S14	Practical work on taking swabs from the nose, throat and skin.	Properly taken swabs.
LK4_derm_S15	A practical task of attendance to medical procedures such as: application of intradermal and patch allergy tests.	An application of allergy tests and correct interpretation if their results.
LK4_derm_S16	A practical task for the management of bedsores and a use of appropriate dressings.	A proper pressure ulcer evaluation and proper dressing application.
LK4_derm_S17	A practical task of collecting patient's medical data.	A well-written history of a dermatological patient.
LK4_derm_C01	Readiness to establish and maintain deep and respectful attitude to the patient.	The way of verification via observation of a student's behaviour during lessons.
LK4_derm_C02	Guiding the good of the sick person.	The way of verification via observation of a student's behaviour during lessons.
LK4_derm_C03	Ability to maintain medical confidentiality and to respect patient rights.	The way of verification via observation of a student's behaviour during lessons.
LK4_derm_C04	Awareness of self-limitation and readiness to self-improvement.	The way of verification via observation of a student's behaviour during lessons.
LK4_derm_S01	A practical task to perform an interview with a patient.	Properly done medical interview.
LK4_derm_S02	A practical task for the physical examination of a dermatological patient.	Properly performed physical examination.
LK4_derm_S03	Practical task to differentiate the most common skin diseases.	Differential diagnosis is properly performed.

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

LO number	for grade 2	for grade 3	for grade 4	for grade 5
LK4_derm_K01	The student does not know the basic characteristics, environmental and epidemiological determinants of the most common burden of the skin. He/she does not know, neither understands causes, symptoms, diagnosis and treatment in the most common burden of the skin.	The student knows the basic characteristics, environmental and epidemiological determinants of the most common burden of the skin, knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment in the most common burden of the skin sufficiently.	The student knows the basic characteristics, environmental and epidemiological determinants of the most common human skin diseases, knows and understands causes, symptoms, principles of diagnosis and treatment in the most common human skin diseases.	The student knows the basic characteristics, environmental and epidemiological determinants of the most common burden of the skin, knows and understands causes, symptoms, principles of diagnosis and treatment in the most common burden of the skin.
LK4_derm_K02	The student does not know and understand the causes, symptoms, principles of diagnosis and treatment in the most common sexually transmitted diseases.	The student knows and understands the causes, symptoms, principles of diagnosis and treatment in the most common sexually transmitted diseases in a sufficient degree.	The student knows and understands the causes, symptoms, principles of diagnosis and treatment in the most common sexually transmitted diseases.	The student knows and understands the causes, symptoms, principles of diagnosis and treatment in the most common sexually transmitted diseases in a very good degree.
LK4_derm_K03	The student does not know the types of biological materials used in laboratory diagnostics and the rules for obtaining test material.	The student knows the types of biological materials used in laboratory diagnostics and the rules for obtaining the material to	The student knows the types of biological materials used in laboratory diagnostics and the rules for obtaining good quality test material.	The student knows the types of biological materials used in laboratory diagnostics and the rules for obtaining the test material to a very good degree.

		be tested to a sufficient degree.		
LK4_derm_K04	The student does not know the principles of collecting medical history for various clinical conditions, he does not know the technique, rules and algorithms of physical examination of the dermatological patient.	The student knows the rules of collecting medical history for various clinical conditions, knows the techniques, principles, and algorithms of physical examination of the dermatologist patient to a sufficient degree.	The student knows the rules of collecting medical history for various clinical conditions, knows the techniques, principles, and algorithms of physical examination of a dermatologist patient to a good degree.	The student knows the rules of collecting medical history for various clinical conditions, knows the techniques, principles and algorithms of physical examination of a dermatologist patient to a very good degree.
LK4_derm_K05	The student does not know the principles of collecting of medical interview and algorithms of physical examination in different skin conditions.	The student knows the the principles of collecting of medical interview and algorithms of physical examination in different skin conditions to a sufficient degree.	The student knows the the principles of collecting of medical interview and algorithms of physical examination in different skin conditions to a good degree.	The student knows the the principles of collecting of medical interview and algorithms of physical examination in different skin conditions to a very good degree.
LK4_derm_K06	The student does not know the principles of collecting medical data of patients.	The student knows the principles of collecting medical data of patients to a sufficient degree.	The student knows the principles of collecting medical data of patients to a good degree.	The student knows the principles of collecting medical data of patients to a very good degree.
LK4_derm_S01	The student can not perform a medical interview with a dermatologist.	The student is able to conduct a medical interview with a dermatologist in sufficient degree.	The student is able to conduct a medical interview with a dermatologist patient in good standing.	The student is able to conduct a medical interview with a dermatologist in a very good degree.
LK4_derm_S02	The student can not perform a full and physical examination of the dermatological patient.	The student is able to carry out a full and physical examination of the dermatologist patient at sufficient degree.	The student is able to carry out a full and physical examination of the dermatologist patient at good degree.	The student can carry out a full physical examination of patient at very good degree.
LK4_derm_S03	The student can not perform differential diagnosis of the most common burden of the skin.	The student can perform the differential diagnosis of the most common burden of the skin at sufficient degree.	The student can perform differential diagnosis of the most common burden of the skin at good degree.	The student can perform differential diagnosis of the most common burden of the skin at very good degree.
LK4_derm_S04	The student can not plan for diagnostic, therapeutic or prophylactic treatment in the most common skin diseases.	The student is able to plan diagnostic, therapeutic and preventive procedures in the most common skin diseases to a sufficient degree.	The student is able to plan diagnostic, therapeutic and preventive procedures in the most common skin diseases in a good degree.	The student is able to plan diagnostic, therapeutic and preventive procedures in the most common skin diseases in a very good degree.
LK4_derm_S05	The student can not propose any individualized therapeutic management in case of ineffectiveness or contraindications to standard therapy.	The student can propose individualized therapeutic management in case of ineffectiveness or contraindications to standard therapy at sufficient degree.	The student can propose individualized therapeutic management in case of ineffectiveness or contraindications to standard therapy at good degree.	The student can propose individualized therapeutic management in case of ineffectiveness or contraindications to standard therapy at very good degree.
LK4_derm_S06	The student can not qualify the patient for home and hospital treatment.	The student is able to qualify the patient for home and hospital treatment to a sufficient degree.	The student is able to qualify the patient for home and hospital treatment to a good degree.	The student can qualify the patient for home and hospital treatment to a very good degree.
LK4_derm_S07	A student can not define conditions which require alternative management due to life expectancy, functional status or personal preferences of the patient.	The student can define conditions which require alternative management due to life expectancy, functional status or personal preferences of the patient at sufficient degree.	The student can define conditions which require alternative management due to life expectancy, functional status or personal preferences of the patient at good degree.	The student can define conditions which require alternative management due to life expectancy, functional status or personal preferences of the patient at very good degree.
LK4_derm_S08	The student can not perform a functional	The student can perform a functional assessment	The student can perform a functional assessment	The student can perform a functional assessment

	assessment of a disabled patient.	of disabled patient at sufficient degree.	of disabled patient at good degree.	of disabled patient at very good degree.
LK4_derm_S09	The student can not offer a rehabilitation program in the most common burden of the skin.	The student can propose a rehabilitation program in the most common burden of the skin at sufficient degree.	The student can propose a rehabilitation program in the most common burden of the skin at good degree.	The student can propose a rehabilitation program in the most common burden of the skin at very good degree.
LK4_derm_S10	The student can not interpret the laboratory test and can not identify deviations.	The student is able to interpret laboratory research and can identify deviations sufficiently.	The student is able to interpret laboratory tests and is able to identify deviations and their causes at good degree.	The student is able to interpret laboratory tests and is able to identify deviations and their causes at very good degree.
LK4_derm_S11	The student can not schedule management after an exposure to the blood to prevent from infection.	The student is able to schedule management after an exposure to the blood to prevent from infection at satisfactory level.	The student is able to schedule management after an exposure to the blood to prevent from infection at good degree.	The student is able to schedule management after an exposure to the blood to prevent from infection at good very degree.
LK4_derm_S12	The student can not qualify the patient for vaccination.	The student is able to qualify the patient for vaccination at satisfactory level.	The student is able to qualify the patient for vaccination at good level.	The student is able to qualify the patient for vaccination at very good level.
LK4_derm_S13	The student can not take biological material for laboratory diagnostics.	The student is able to take biological material for laboratory diagnostics at sufficient degree.	The student is able to take biological material for laboratory diagnostics at good degree.	The student is able to take biological material for laboratory diagnostics at very good degree.
LK4_derm_U14	The student can not take a swab from the nose, throat and the skin.	The student can not take a swab from the nose, throat or the skin.	The student can not take a swab from two of areas (the nose, throat or the skin).	The student can not take a swab from all areas (the nose, throat and the skin).
LK4_derm_U15	The student can not apply and interpret results of skin allergy tests.	The student is able to apply or interpret results of skin allergy tests.	The student is able to apply and interpret results of skin allergy tests.	The student is able to apply and interpret results of skin allergy tests easily.
LK4_derm_U16	The student can not evaluate bedsores and can not apply appropriate dressings.	The student is able to evaluate bedsores and can apply appropriate dressings sufficiently.	The student is able to evaluate bedsores and can apply appropriate dressings at good degree.	The student is able to evaluate bedsores and can apply appropriate dressings at very good degree.
LK4_derm_U17	A student can not prepare a written history of a dermatological patient.	The student is able to write history of dermatological patient at sufficient degree.	The student is able to write history of dermatological patient at good degree.	The student is able to write history of dermatological patient easily at very good degree.
LK4_derm_C01	The student can not establish and maintain a deep and respectful contact with the sick.	The student makes sufficient contact with patients.	The student is able to establish contact and to show respect to the patient.	The student establish a contact with the patient easily manifesting full respect.
LK4_derm_C02	The student can not guide the good of the sick person.	The student can guide the good of the sick person sufficiently.	The student can guide the good of the sick person without problems.	The student can guide the good of the sick person easily.
LK4_derm_C03	The student does not maintain medical confidentiality and does not respect patients rights.	The student maintains medical confidentiality and respect patients rights at elementary level.	The student maintains medical confidentiality and respect patients rights almost correctly.	The student maintains medical confidentiality and respect patients rights correctly.
LK4_derm_C04	The student is not aware of own self-limitation and does not manifest tendency to self-improvement.	The student is aware of own self-limitation and manifests tendency to self-improvement at low level.	The student is aware of own self-limitation and manifests tendency to self-improvement.	The student is aware of own self-limitation and intensively tends to self-improvement.