



Oktatás, kutatás, gyógyítás: 250 éve
az egészség szolgálatában

SEMMELWEIS EGYETEM

ÁLTALÁNOS ORVOSTUDOMÁNYI KAR

Dékan

Dr. Kellermayer Miklós

Az Általános Orvostudományi Kar Tanácsának

2020/2021-es tanév
31/2021 (2021. május 11-i) számú határozata

az Asklepios Campus Hamburgon 2021/2022. tanévtől kötelezően választható tárgyak bevezetéséről

1. § Az ÁOK Kari Tanácsa az SzMSz I. KÖNYV I.1. RÉSZ III. fejezet 115. § (3) bekezdés be) pontjában kapott felhatalmazás alapján megtárgyalta és **elektronikus szavazórendszeren keresztül, nyílt szavazással** az alábbi szavazati eredménnyel **elfogadta** az Általános Orvostudományi Karon a „Da Vinci – robotic surgery”, a „Sonography Pre Basic Course” és a „Global Health” kötelezően választható tárgyak 2021/2022-es tanév tanévtől történő bevezetését, a melléklet szerinti követelményrendszerrel.

„Da Vinci – robotic surgery”	54 igen	0 nem	0 tartózkodás
„Sonography Pre Basic Course”	53 igen	0 nem	1 tartózkodás
„Global Health”	50 igen	0 nem	0 tartózkodás

2. § Jelen határozat végrehajtásának határideje: aktuális szenátusi ülésig

3. § A határozat végrehajtásáért felelős: ÁOK dékán

4. § Jelen határozat 2021. május 12. napján lép hatályba.

Budapest, 2021. május 12.


Dr. Kellermayer Miklós
dékán

REQUIREMENTS

Semmelweis University, Faculty of Medicine Name of the managing institute (and any contributing institutes): Asklepios Campus Hamburg (ACH) of the Semmelweis University
Name of the subject: in English: Da Vinci – robotic surgery in German: Da Vinci – robotische Chirurgie Credit value: 2 Number of lessons per course: 28 x 45 min lecture: 2 x 45 min practical course: 8 x 45 min seminar: 18 x 45 min Subject type: compulsory course <u>elective course</u> optional course
Academic year: 3, 4 and 5
Subject code: <i>(In case of a new subject, it is filled by the Dean's Office, after approval)</i>
Name of the course leader: Prof. Karl J. Oldhafer His/her workplace, phone number: Asklepios Klinik Barmbek, Rübenkamp 220, 22307 Hamburg, Tel: +49 (0)40 18 18-82 28 11 Position: MD, Surgery, Dean's and Rectors's representative Date and registration number of their habilitation: 1993 (Hannover Medical School, Hannover)
Objectives of the subject, its place in the medical curriculum: The objective of this course is to teach students, as early as possible, the handling of a surgical robot system. The earlier students train their fine motor skills on this system, the better and faster they can learn these skills. This expertise will prepare students for a career in surgery, that will in future depend more and more on the handling of surgical robots.
Place where the subject is taught (address of the auditorium, seminar room, etc.): Asklepios Klinik Barmbek plus blended learning concept with online modules
Successful completion of the subject results in the acquisition of the following competencies: <ul style="list-style-type: none"> • Understanding of the functionality of a surgical robot • Certificates of the Intuitive Da Vinci Online learning platform • Fine motor skills for the operation of the Da Vinci surgical robot • Discrimination between indications for open, laparoscopic, and robotic surgery
Course prerequisites: <ul style="list-style-type: none"> • Completion of the pre-clinical phase, intended for students in their 5th to 10th semester
Number of students required for the course (minimum, maximum) and method of selecting students: Smallest number of participants: 2

Largest number of participants: 6

Method of selecting the participants: Students have to hand in an application, including a transcript of records and a motivation letter. They will be selected by a panel, consisting of two surgeons and one student.

How to apply for the course:

- Online registration via O365 at a definite time

Detailed curriculum:

(Theoretical and practical lessons shall be given separately by numbering the lessons (by weeks).

Please provide the names of the teachers of the lectures and practical lessons and indicate guest lecturers. Do not use attachments!

Always attach a CV for guest lecturers!)

- Lesson 1 – 2: Theoretical Introduction of robotic surgery (Lipp/Oldhafer)
- Lesson 3 – 6: Online Course of the company Intuitive with certificate (Blended learning)
- Lesson 7: Surgery Videos at Intuitive Website (Blended Learning)
- Lesson 8 – 17: Training in simulation mode on the Da Vinci Surgical robot (Böhme/Jenner/Lipp/Oldhafer)
- Lesson 18 – 21: Practical Training with the Da Vinci surgical robot: abdomen simulation, knot tying at artificial tissue, left-handed suturing, skills drills training (Böhme/Jenner/Lipp/Oldhafer)
- Lesson 22 – 28: Work shadowing in the operation theatre during Da Vinci robot assisted surgery (Böhme/Jenner/Lipp/Oldhafer)

Other subjects concerning the border issues of the given subject (both compulsory and optional courses!). Possible overlaps of themes:

- Surgery

Special study work required to successfully complete the course:

(E.g. field exercises, medical case analysis, test preparation, etc.)

- Online Course of the company Intuitive

Requirements for participation in classes and the possibility to make up for absences:

- 75% attendance
- Alternative dates for shadowing in the operation theatre will be provided

Methods to assess knowledge acquisition during term time:

(E.g. homework, reports, mid-term test, end-term test, etc., the possibility of replacement and improvement of test results)

- Certificates of the online course
- Outcome of the simulations

Requirements for signature:

- 75% attendance
- Signed register

Type of examination:

- Writing of a surgery report of a Da Vinci robot assisted surgery

Requirements of the examination:

(In case of a theoretical examination, please provide the topic list; in case of a practical exam, specify the topics and the method of the exam)

- The students have to shadow a Da Vinci robot assisted surgery and write a corresponding surgery report.

Method and type of evaluation:

(Method of calculating the final mark based on the theoretical and practical examination. How the mid-term test results are taken into account in the final mark.)

- 25% Online certificate (5- grade assessment)
- 50% Simulation outcome (5- grade assessment)
- 25% surgery report (5- grade assessment)

How to register for the examination?:

- 75 % attendance is sufficient as a basic requirement to be admitted to the exam

Possibilities for exam retake:

- 2 times

Printed, electronic and online notes, textbooks, guides and literature (URL address for online material) to aid the acquisition of the material:

Robotic Surgery. Editor Go Watanabe. Springer Verlag

Signature of the habilitated instructor (course leader) who announced the subject:



Signature of the Director of the Managing Institute:



Hand-in date: 18th of November, 2020

Opinion of the competent committee(s):

Comments of the Dean's Office:

Dean's signature:

REQUIREMENTS

Semmelweis University, Faculty of Medicine Name of the managing institute (and any contributing institutes): Campus Hamburg (ACH) of the Semmelweis University
Name of the subject: in English: Sonography Pre Basic Course in German: Sonographie Vor-Basis-Kurs Credit value: 1 Number of lessons per week: 16 lessons of 45 min each, lessons taught block-wise lecture: 1 practical course: 15 seminar: - Subject type: compulsory course <u>elective course</u> optional course
Academic year: 3, 4, 5
Subject code: <i>(In case of a new subject, it is filled by the Dean's Office, after approval)</i>
Name of the course leader: 1) Hon. Prof. Dr. med. Dietmar E. Kivelitz 2) Dr. med. Dr. habil. Dirk Bandorski His/her workplace, phone number: 1) Asklepios Klinik St. Georg, Lohmühlenstr. 5, D-20099, Tel: + 49 (0) 40 1818 85-2360 2) Asklepios Neurologische Klinik Bad Salzhausen, Am Hasensprung 6, 63667 Nidda Tel.: +49 6043-804212 Position: 1) Hon. Prof. Dr. med. Dietmar E. Kivelitz, MD, Head of the radiology department 2) Dr. med. Dr. habil. Dirk Bandorski, MD, FACC, FESC, Senior Physician for internal medicine, cardiology, emergency medicine and intensive care. Instructor of the German Society for Ultrasound in Medicine (DEGUM) in the field of echocardiography, hypertensiologist (DHL), nutritionist DAEM/DGEM, ABS expert (DGKH) Date and registration number of their habilitation: 1) Hon. Prof. Dr. med. Dietmar E. Kivelitz: 18th of July 2006, habilitation certificate attached 2) Dr. med. Dr. habil. Dirk Bandorski: 6th of June 2019, Registration number: 02/2019
Objectives of the subject, its place in the medical curriculum: <ul style="list-style-type: none"> • Ultrasound diagnostics is an integral part of medical diagnosis in almost all subjects and as such, it is also an integral part of the curriculum. • The students will learn very basic practical skills of ultrasound diagnostics, with a strong focus on anatomy.

- This course should enable the students, to use an ultrasonic device and reliably find different organs of the abdomen.
- This way, this course should prepare the students for the basic and advanced sonography courses.

Place where the subject is taught (address of the auditorium, seminar room, etc.):

- Training room of the Asklepios Medical School of the Asklepios Campus Hamburg, Lohmühlenstr. 5, 20099 Hamburg

Successful completion of the subject results in the acquisition of the following competencies:

- Upon completion of the basic course, the students will consider ultrasound as a potent non-invasive option of diagnostic imaging.
- After the basic course, the students will be able to use the essential technical features of the ultrasound device, i.e. adapt default settings accordingly for a given investigation question.
- Concepts of image interpretation are practiced.

Course prerequisites:

- Completion of the second year

Number of students required for the course (minimum, maximum) and method of selecting students:

Smallest number of participants: 3

Largest number of participants: 10

Method of selecting the participants: Students who want to join the course will be selected by a random number generator, if necessary.

How to apply for the course:

- Online registration via O365 at a definite time

Detailed curriculum:

(Theoretical and practical lessons shall be given separately by numbering the lessons (by weeks).

Please provide the names of the teachers of the lectures and practical lessons and indicate guest lecturers. Do not use attachments!

Always attach a CV for guest lecturers!)

All topics will be presented by Dr. med. Dr. habil. Dirk Bandorski

1. Day (4 x 45 min)

- Lesson 1: Basic knowledge of physical and technical principles, device settings
- Lesson 2: hands-on lesson (exercise with a focus on device setting)
- Lesson 3: hands-on lesson – thyroid gland
- Lesson 4: hands-on lesson – vascular system (neck)

2. Day (12 x 45 min)

- Lesson 5: hands-on lesson – biliary system
- Lesson 6: hands-on lesson – liver
- Lesson 7: hands-on lesson – kidney
- Lesson 8: hands-on lesson – gastrointestinal tract
- Lesson 9: hands-on lesson – pancreas
- Lesson 10: hands-on lesson – spleen
- Lesson 11: hands-on lesson – vascular system
- Lesson 12: hands-on lesson – vascular system
- Lesson 13: hands-on lesson – heart
- Lesson 14: hands-on lesson – heart
- Lesson 15: hands-on lesson – thorax
- Lesson 16: hands-on lesson – basics of Focused Assessment with Sonography for Trauma (FAST)

Other subjects concerning the border issues of the given subject (both compulsory and optional courses!). Possible overlaps of themes:

- Basic and advanced clinical sonography in Compulsory and Compulsory Elective courses
- The theory of sonography will be part of all courses

Special study work required to successfully complete the course:

(E.g. field exercises, medical case analysis, test preparation, etc.)

- None

Requirements for participation in classes and the possibility to make up for absences:

- 75% presence; review of the missed topics in self-study

Methods to assess knowledge acquisition during term time:

(E.g. homework, reports, mid-term test, end-term test, etc., the possibility of replacement and improvement of test results)

- Oral participation

Requirements for signature:

- 75% attendance; signed register

Type of examination:

- Practical exam

Requirements of the examination:

(In case of a theoretical examination, please provide the topic list; in case of a practical exam, specify the topics and the method of the exam)

- Practical sonographic examination of a given organ

Method and type of evaluation:

(Method of calculating the final mark based on the theoretical and practical examination. How the mid-term test results are taken into account in the final mark.)

- 5-grade assessment

How to register for the examination?:

- 75% presence and review of missed topics in self-study is sufficient to be admitted to the exam

Possibilities for exam retake:

- Alternative dates are organized, if necessary

Printed, electronic and online notes, textbooks, guides and literature (URL address for online material) to aid the acquisition of the material:

Signature of the habilitated instructor (course leader) who announced the subject:

Diedmar Wulz

Signature of the Director of the Managing Institute:

Karl J. Stollenwerk

Hand-in date: November,

Opinion of the competent committee(s):
Comments of the Dean's Office:
Dean's signature:

REQUIREMENTS

Semmelweis University, Faculty of Medicine Name of the managing institute (and any contributing institutes): Asklepios Campus Hamburg (ACH) of the Semmelweis University
Name of the subject: in English: Global Health in German: Global Health Credit value: 1 Number of lessons per week: 5 blocks, in total 16 x 45 min lecture: 8 x 45 min practical course: - seminar: 8 x 45 min Subject type: compulsory course <u>elective course</u> optional course
Academic year: 3, 4 and 5
Subject code: <i>(In case of a new subject, it is filled by the Dean's Office, after approval)</i>
Name of the course leader: PD Dr. Dr. Henning Hanken dr. dr. Phillip Schwaab His/her workplace, phone number: Asklepios Klinik Nord-Heidberg, Tangstedter Landstraße 400, 22417 Hamburg, Tel: +49 (0)40 181887-3491 Position: Chief Physician, MD, Oral and Maxillofacial Surgery, Date and registration number of their habilitation: 20.09.2016
Objectives of the subject, its place in the medical curriculum: The objective of this course is to create awareness for the myths about the "third world", and the impact of globalization on health issues around the world. International health policies will be discussed, as well as health systems in developing countries. Physical and mental health of refugees is another focus of the course. Therefore, this course will broaden the horizon of medical students for health issues in a globalized world.
Place where the subject is taught (address of the auditorium, seminar room, etc.): Asklepios Klinik Hamburg or online, depending on the Corona pandemic.
Successful completion of the subject results in the acquisition of the following competencies: <ul style="list-style-type: none"> • Awareness for the the myths about the "third world." • Change of preconceived ideas about developing countries, like the underestimation of social and economic change in asia. • Understanding of the Health systems in developing countries. • Understanding of the epidemiology and control of infectious diseases in a worldwide outbreak scenario. • Understanding for physical and mental illnesses in refugees.

Course prerequisites: <ul style="list-style-type: none"> • Completion of the pre-clinical phase, intended for students in their 5th to 10th semester.
Number of students required for the course (minimum, maximum) and method of selecting students: Smallest number of participants: 6 Largest number of participants: 20 Method of selecting the participants: Students that applied for the course will be selected by a random number generator, if necessary
How to apply for the course: <ul style="list-style-type: none"> • Online registration via O365 at a definite time
Detailed curriculum: <i>(Theoretical and practical lessons shall be given separately by numbering the lessons (by weeks). Please provide the names of the teachers of the lectures and practical lessons and indicate guest lecturers. Do not use attachments! Always attach a CV for guest lecturers!)</i> <ul style="list-style-type: none"> • Block 1 (seminar, 2 h): Blended learning seminar with materials from the Gapminder foundation (https://www.gapminder.org/) "Debunking the myth about the third world". (Dr. Monika Grimm) • Block 2 (seminar, 2.5 h): Epidemiology and control of infectious diseases in a simulated outbreak scenario. (Prof. May and Team, Bernhard-Nocht-Institute) • Block 3: (lecture, 2.5 h) International health policy in the field of mother-child care. (Dr. Susanne Pritze-Aliassime) • Block 4: (lecture, 2.5 h) Introduction of the project Cleft Camp Padhar (http://www.friends-of-padhar.de/der_verein.html) with a focus of the health care system in India (dr. dr. Phillip Schwaab) • Block 5: (lecture/seminar, 2.5 h) Refugee medicine, common illnesses, and psychological distress in refugees. (Prof. Bajbouj, Charité Berlin)
Other subjects concerning the border issues of the given subject (both compulsory and optional courses!). Possible overlaps of themes: <ul style="list-style-type: none"> • None
Special study work required to successfully complete the course: <i>(E.g. field exercises, medical case analysis, test preparation, etc.)</i> <ul style="list-style-type: none"> • Prepare a seminar talk with material from the Gapminder Foundation
Requirements for participation in classes and the possibility to make up for absences: <ul style="list-style-type: none"> • 75% attendance • Missed classes will be made up for in self-study.
Methods to assess knowledge acquisition during term time: <i>(E.g. homework, reports, mid-term test, end-term test, etc., the possibility of replacement and improvement of test results)</i> <ul style="list-style-type: none"> • Oral contributions
Requirements for signature: <ul style="list-style-type: none"> • 75% attendance • Signed register
Type of examination: <ul style="list-style-type: none"> • Writing of a report

Requirements of the examination:

(In case of a theoretical examination, please provide the topic list; in case of a practical exam, specify the topics and the method of the exam)

- The students have to write a report about a given global health topic

Method and type of evaluation:

(Method of calculating the final mark based on the theoretical and practical examination. How the mid-term test results are taken into account in the final mark.)

- 25% Oral contribution
- 75% surgery report (5- grade assessment)

How to register for the examination?:


- 75 % attendance is sufficient as a basic requirement to be admitted to the exam

Possibilities for exam retake:

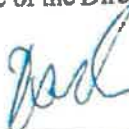
- 2 times

Printed, electronic and online notes, textbooks, guides and literature (URL address for online material) to aid the acquisition of the material:
(<https://www.gapminder.org/resources/>)

Signature of the habilitated instructor (course leader) who announced the subject:


PD Dr. Henning Hanken
MKG-Chirurgie

Signature of the Director of the Managing Institute:


PD Dr. Henning Hanken
MKG-Chirurgie

Hand-in date: 06th of April, 2021

Opinion of the competent committee(s):**Comments of the Dean's Office:****Dean's signature:**