

## 教育研究上の目的 Educational Purposes

働く人々の健康と環境に医学の眼でアプローチする産業医は、産業の発展と活性化を支える意味からも、極めて重要な役割を担っています。医学部では、医学を産業社会の中でより深く、より広い視野から考えることのできる人間性豊かな産業医を養成します。

Approaching health and environments of working people through the eyes of medical science, occupational health physicians play extremely important roles for several reasons, including their support for the development and revitalization of industry. The School of Medicine trains occupational health physicians with rich humanity that enables them to consider medical science more deeply and from wider perspectives in industrial society.



大学1号館 Building No.1

## 卒業認定・学位授与の方針（ディプロマ・ポリシー） Diploma Policy

医学部医学科では、「医学及び看護学その他の医療保健技術に関する学問の教育及び研究を行い、労働環境と健康に関する分野におけるこれらの学問の振興と人材の育成に寄与する」という本学の目的及び使命を理解し、本学が規定する修業年限以上の在学のもと、医師として必要な知識・技能・態度を修得するとともに、次に示す豊かな人間性と倫理性、科学的能力を備え、産業医学分野の研究及び産業保健の実務において中心的かつ指導的役割を担う資質と能力を身につけ、卒業に必要な時間数を修得し、その修了の認定を受け、かつ、総合試験及びPost-CC OSCEに合格した者に卒業の認定を行い、学士(医学)の学位を授与します。

The Department of Medicine, Faculty of Medicine, the University of Occupational and Environmental Health, Japan, confers a graduation certificate in Medical Science on students who have: 1) understood the objectives and mission of the university, which "conducts educational research related to medical science, nursing science and other healthcare sciences, contributes to the promotion of these sciences that are relevant to the working environment and workers' health, and develops medical professionals in these fields"; 2) acquired the knowledge, skills and attitude that are essential to a physician in the course terms or longer, as prescribed by the university; 3) acquired the qualities and abilities necessary to take a central leadership role in the research and practical fields of occupational health medicine; 4) completed the number of course hours required for graduation and receive the course completion certificate; 5) passed the comprehensive examinations and the Post-CC OSCE; and 6) developed a rich sense of human nature, ethics, and scientific ability, as explained below.

### 1 人間性・医療倫理・プロフェッショナリズム

医師としてふさわしい豊かな人間性を身につけるとともに、その職責を自覚し、倫理観・使命感・責任感を持って、社会に貢献することができる。

### 2 医学的知識・技能

医師としての業務を行うために必要な基礎医学・社会医学・臨床医学に関する基本的知識と技能を修得し、疾病の予防、診断と治療、研究に活用することができる。

### 1 Human Nature, Medical Ethics and Professionalism

Students will have cultivated a rich sense of human nature that is suitable to a physician, will recognize their responsibility to the profession, and will be able to contribute to society with a sense of morality, responsibility and commitment.

### 2 Medical Knowledge and Skills

Students will have mastered the basic knowledge and skills related to basic medicine, social medicine and clinical medicine, in order to perform medical duties, and will be able to utilize such knowledge and skills for disease prevention, diagnostic treatment and medical research.



臨床実習 On-the-job Clinical Training



基礎医学実習 Laboratory Work



臨床実習 On-the-job Clinical Training

### 3 産業医学的知識・技能

産業医学の使命及び産業保健の意義を理解し、産業医学の研究及び産業保健の実務において中心的かつ指導的役割を担う医師としての必要な専門的知識と技能を修得し、実践することができる。

#### Knowledge and Skills for Occupational Medicine

Students will have understood both the mission of occupational medicine and the significance of occupational health, and will have acquired and be able to use specialized knowledge and skills required for a physician to take a central leadership role in the research fields of occupational medicine and in the practice of occupational health.

### 4 患者及び働く人への適切な対応能力

医師としての信頼を得られる思考と態度を身につけ、患者及び働く人の尊厳・意思を尊重して相互理解と信頼のもとに適切な対応ができる。また、治療と職業生活の両立支援に関する専門的知識を修得し、疾病の予防、診断、治療及び社会復帰に関して適切かつ総合的に判断することができる。

#### Appropriate Capability to Support Patients and Workers

Students will have developed the mindset and attitude of a reliable physician, and will be able to respond appropriately to patients and workers, in mutual understanding, trustworthiness and full respect of their dignity and will. They will also have acquired specialized knowledge related to the support of both medical treatment and occupational life, and will be able to exercise appropriate and comprehensive judgment about disease prevention, diagnostic treatment and social reintegration.

### 5 科学的探究心・問題解決能力

医学及び産業医学における研究の意義を理解し、科学的な観察力・思考力・表現力を修得し、生涯にわたり自己研鑽を続ける意欲を持ち、自ら問題を解決することができる。

#### Scientific Inquiry and Problem-Solving Capability

Students will have understood the significance of research in medical science and occupational health medicine, and will have acquired the scientific power of observation, thinking and expressiveness, a will to continue lifelong training, and problem-solving capabilities.

### 6 コミュニケーション能力

患者、働く人及びそれらに関わる人たちと良好な人間関係を築き、適切な情報交換共有、説明伝達を行うことができる。また、多職種の医療チーム内で信頼関係を築き、チームの一員として行動することができる。

#### Communication Ability

Students will be able to establish good relations with patients, workers and other related people, appropriately exchange and share information, and give clear explanations. They will also be able to build a trusting relationship with other medical professionals and act as a member of medical teams.

### 7 国際保健

国際的な視野を持ち、将来、産業医学分野における国際保健に貢献することができる。

#### International Health

Students will have developed an international perspective and will be able to contribute to international health in the field of occupational medicine in the future.



## 教育課程編成・実施の方針（カリキュラム・ポリシー） Curriculum Policy

医学部医学科では、医学を産業社会の中でより深く、より広い視野から考えることのできる人間性豊かな産業医及び産業医学・産業保健の発展に寄与する医師を養成します。

これらの目標を達成するために、次のような教育課程を編成し、実施します。カリキュラムは、モデル・コア・カリキュラムを踏まえた医学教育と本学の特徴である産業医学教育に加え、人文社会系科目、医学概論及び研究室配属などの独自の内容で構成しています。

The Department of Medicine, Faculty of Medicine, the University of Occupational and Environmental Health, Japan, trains not only occupational health physicians with a rich sense of human nature and with a broad perspective to consider medical science in the industrial society, but also medical doctors who can contribute to the further development of occupational health and occupational medicine. To achieve these goals, we organize and implement the following educational curriculum that is composed of a medical education program that is consistent with the Model Core Curriculum in Undergraduate Medical Education, the occupational health education program that is unique to our university, humanities and social sciences, medical humanities, and a special biomedical research program.



## 1 総合教育・医学基礎教育

幅広い教養と高い倫理観をもつ豊かな人間性を培い、社会人としての素養を身につける内容とし、高等学校教育から大学教育・医学教育へと接続・連携する教育を行います。また、早期臨床体験実習等を通じて、患者との接し方や医師のプロフェッショナリズムの素地を作ります。さらに、将来国際人として活躍する医師にとって必要な英語教育は、医学的色彩の濃い医学英語として実施します。

## 2 基礎医学教育

各授業科目間のみならず臨床医学との統合を図り、臨床医学の学修に必要な専門知識を学び、基礎学力を修得する内容とします。また、研究室配属では、科学的思考力、自主学習能力、問題解決能力等を学修し、科学研究における考え方や手法を学び、研究成果の発表を行います。

## 3 臨床医学教育

講義、実習を通じて患者との相互理解の大切さを学び、疾病・病態を系統的に理解し、臨床における基本的知識・技能・態度を身につける内容とします。1年次から早期臨床体験実習を行い、高学年ではすべての臨床講座を網羅した臨床実習を大学病院において実施するとともに、大学病院及び関連・協力病院において診療参加型臨床実習を行い、臨床的知識を深め実践的技能と臨床推論能力を修得します。さらに、海外医学部との相互交流で留学生とともに臨床実習を行い、国際的視野を広げることを目指します。

## 4 産業医学教育

1年次から6年次の各学年にわたり、産業医学を系統的・段階的に学修し、産業保健活動に必要な専門的知識と技能を修得する内容とします。5年次には学外の事業場等において産業医の指導の下で現場実習を行い、産業保健活動で実践できる能力を身につけます。これらにより、初期臨床研修開始前に産業医の資格を取得できる内容とします。

## 5 少人数対話型教育

多くの講義及び実習において少人数対話型教育を実施し、問題解決能力、論理的思考力・コミュニケーション能力を涵養します。

## 6 学修達成度の判定

1年次から3年次に基礎総合試験、4年次に共用試験(CBT・OSCE)、5年次に総合試験(II)、6年次に症候論統合講義試験、総合試験(I・II)及びPost-CC OSCEを実施し、学年ごとに学修の達成度を判定します。

## 1 The Courses in Basic Sciences

These courses are designed to foster cultivated, highly ethical and humane students, and serve as a mediator between high-school education and university/medical education. They also give opportunities to learn how to treat patients, and, through the early clinical exposure program, prepare the basic groundwork for the professionalism that will be required as a physician. They also offer medically-oriented English classes which will be essential for international physicians in the future.

## 2 The Courses in Basic Biomedical Sciences

These courses are designed to be integrated with each other as well as with courses in clinical medicine, to provide students with expertise required for clinical medicine, and to foster basic academic skills. The special biomedical research program gives students opportunities to cultivate various abilities such as scientific thinking, self-directed learning, problem solving, and scientific thinking and the scientific method, and to present their research findings.

## 3 The Courses in Clinical Medical Sciences

These courses are designed to have students learn the importance of mutual understanding with patients through lectures and practicums, to gain a systematic understanding of diseases and conditions, and to have basic knowledge, skills and attitude in clinical practice. Students in the upper years, who have experienced the early clinical exposure program annually since the first year, experience not only clinical practice at the university hospital, which is in collaboration with all the clinical departments, but also clinical clerkship at the university hospital and affiliated hospitals, in order to deepen their clinical knowledge and to acquire practical skills and clinical reasoning ability. They also have opportunities to experience clinical practice with foreign medical students through a mutual exchange program, to broaden their international awareness.

## 4 The Courses in Occupational Medicine

These courses are performed systematically and gradually from the first year to the sixth year to give students specialized knowledge and skills that are required for occupational health activities. Fifth-year students experience on-site training at plants and factories outside of the university under the direction of occupational health physicians, enabling them to acquire practical abilities for occupational health activities and thus to qualify as an occupational health physician before the start of their initial clinical training.

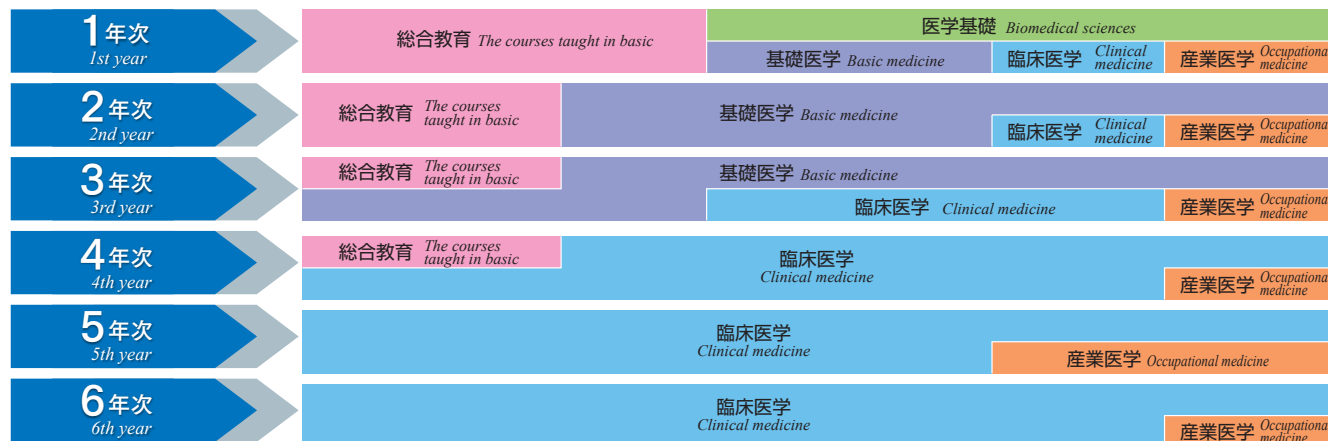
## 5 Small-Group and Interactive Education

Small classes to promote interactive education are actively implemented to foster students' ability to solve problems, to think logically, and to communicate with others.

## 6 Assessment of Academic Achievement

A basic comprehensive examination is administered at the end of the first, second, and third years to evaluate student's learning achievement in each grade. Common examinations (OSCE and CBT) are administered in the fourth year, a comprehensive examination (2) is administered in the fifth year, and an integrated lecture examination concerning semeiology plus comprehensive examinations (1 and 2) and Post-CC OSCE are administered in the sixth year.

## カリキュラム構成図 Curriculum



医師国家試験合格・医師免許取得／産業医資格取得

Passing the national examination, Obtaining a medical license/Obtaining a license of an occupational health physician



## 講座等 Academic Departments

### 総合教育・医学基礎系

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Basic Sciences

#### [行動科学] Behavioral Sciences

- 医学概論 *Medical Humanities*
- 哲学概論 *Philosophy*

- 心理学 *Psychology*
- 人間関係論 *Human Relations*

#### [数理科学] Mathematical Sciences

- 数学概論 *Mathematics*

- 医科物理学 *Biophysics*

#### [生命科学] Biological Sciences

- 生体物質化学 *Chemistry*

- 細胞生物学 *Biology*

#### [語学] Foreign Languages

- 英語 *English*

- 独語 *German*

### 基礎医学系

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Biomedical Sciences

- 第1解剖学 *Anatomy (I)*
- 第2解剖学 *Anatomy (II)*
- 第1生理学 *Physiology (I)*
- 第2生理学 *Physiology (II)*
- 生化学 *Biochemistry*
- 分子生物学 *Molecular Biology*
- 薬理学 *Pharmacology*

- 第1病理学 *Pathology (I)*
- 第2病理学 *Pathology (II)*
- 免疫学・寄生虫学 *Immunology and Parasitology*
- 微生物学 *Microbiology*
- 衛生学 *Environmental Health*
- 公衆衛生学 *Public Health*
- 法医学 *Forensic Medicine*

### 臨床医学系

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Clinical Medical Sciences

- 第1内科学 *Internal Medicine (I)*
- 第2内科学 *Internal Medicine (II)*
- 第3内科学 *Internal Medicine (III)*
- 呼吸器内科学 *Respiratory Medicine*
- 神経内科学 *Neurology*
- 脳卒中血管内科学 *Stroke Medicine*
- 精神医学 *Psychiatry*
- 小児科学 *Pediatrics*
- 第1外科学 *Surgery (I)*
- 第2外科学 *Surgery (II)*
- 心臓血管外科学 *Cardiovascular Surgery*
- 脳神経外科学 *Neurosurgery*

- 整形外科 *Orthopedic Surgery*
- 皮膚科学 *Dermatology*
- 泌尿器科学 *Urology*
- 眼科学 *Ophthalmology*
- 耳鼻咽喉科・頭頸部外科学 *Otorhinolaryngology-Head and Neck Surgery*
- 産科婦人科学 *Obstetrics and Gynecology*
- 放射線科学 *Radiology*
- 麻酔科学 *Anesthesiology*
- リハビリテーション医学 *Rehabilitation Medicine*
- 救急・集中治療医学 *Emergency and Intensive Care Medicine*
- 感染症科学 *Infectious Disease Medicine*
- 両立支援科学 *Occupational Medicine*



大学2号館講義室 Building No.2 Lecture Room



産業医学現場実習 On-the-job Training for Occupational Medicine