

# Basic Gastroenterology Clinical Training at TMDU

Code:4781

Credit: 20 units

|                     |     |
|---------------------|-----|
| Attendance hours    | 900 |
| No attendance hours | 0   |
| Total hours         | 900 |

## 1. Instructors

| Name              | Position            | Department                             | Contact Information     |
|-------------------|---------------------|--|-------------------------|
| NAGAHORI Masakazu | Associate Professor | Gastroenterology and Hepatology        | nagahori.gast@tmd.ac.jp |
| KINUGASA Yusuke   | Professor           | Gastrointestinal Surgery               | kinugasa.srg1@tmd.ac.jp |
| OKADA Takuya      | Associate Professor | Department of Gastrointestinal Surgery | t-okada.srg1@tmd.ac.jp  |

## 2. Classroom/Lab Lecture

As noted in the attached Timetable.

## 3. Course Purpose and Outline

### Purpose

- Acquire basic knowledge pertaining to the development, anatomy, and pathology of the digestive tract and master the core skills to systematically apply that knowledge to research in this field.
- Through workshops utilizing simulators, master the skills of endoscope operation that are fundamental prerequisites for advanced training in the techniques of digestive tract endoscopy.
- Acquire a basic understanding of the pathology and current status of digestive tract disorders and identify diagnostic and treatment-related themes for study.

### Outline

- i. Understand core concepts of digestive organ structure and function.
- ii. Master basic operational procedures for endoscopic examinations through the use of simulators.
- iii. Practice the application of diagnostic methods and procedures on hospital patients.
- iv. Master the basic principles of pathology.
- v. Acquire an understanding of the basic principles of endoscopic diagnosis and treatment.
- vi. Acquire additional knowledge and skills.

#### **4. Course Objectives**

- Develop the ability to utilize endoscopy and make accurate diagnoses of disorders of the digestive tract.
- Develop the ability to establish treatment plans.
- Identify digestive tract disorder-related problems and issues and, through workshop exercises, master the knowledge, technologies, practical skills, and evaluation methods required for the effective pursuit of activities aimed at finding solutions.
- Acquire the basic skills and technologies required for clinical applications.

#### **5. Format**

Clinical practice: Operate endoscope simulators and observe various types of endoscopic examinations at Tokyo Medical and Dental University Hospital.

#### **6. Course Description and Timetable**

As noted in the attached Timetable (to be distributed prior to the start of classes).

#### **7. Grading System**

Final grades are comprehensively assessed on the basis of participation and instructor-assessed performance in clinical and on-site workshops and the preparation of reports.

#### **8. Prerequisite Reading**

Slisenger and Fordtran's Gastrointestinal and Liver Disease E-Book: Pathophysiology, Diagnosis, Management (English Edition) 11th Edition

#### **9. Reference Materials**

As indicated by supervising instructor.

#### **10. Important Course Requirements**

None

#### **11. Availability in English**

#### **12. Office Hours**

On an as-needed basis (Please contact the course director by email in advance.)  
NAGAHORI Masakazu Email: nagahori.gast@tmd.ac.jp

#### **13. Note(s) for Students**

Contact the class instructor or course director (by email or phone) in the event you expect to be late for or absent from a class.

Confirm classwork content with the instructor in advance and be prepared for the next lesson.

## Timetable

| No. | Date        | Class Content and Location   |
|-----|-------------|--|
| 1.  | Weeks 1-4   | Clinical lecture on gastroenterological disorders<br>Lecture Hall 2                  |
| 2.  | Weeks 5-8   | Clinical lecture on digestive tract examinations and endoscopy<br>Simulator Lab      |
| 3.  | Weeks 9-12  | Clinical workshop on techniques of upper digestive tract endoscopy<br>Endoscopy Unit |
| 4.  | Weeks 13-16 | Clinical workshop on techniques of upper digestive tract endoscopy<br>Endoscopy Unit |
| 5.  | Weeks 17-20 | Clinical workshop on techniques of upper digestive tract endoscopy<br>Endoscopy Unit |
| 6.  | Weeks 21-24 | Clinical workshop on techniques of lower digestive tract endoscopy<br>Endoscopy Unit |
| 7.  | Weeks 25-28 | Clinical workshop on techniques of lower digestive tract endoscopy<br>Endoscopy Unit |
| 8.  | Weeks 29-32 | Clinical workshop on techniques of small bowel endoscopy<br>Fluoroscopy Lab          |
| 9.  | Weeks 33-36 | Clinical workshop of pathology of the digestive tract<br>Pathology Lab               |
| 10. | Weeks 37-40 | Clinical workshop of pathology of the digestive tract<br>Pathology Lab               |
| 11. | Weeks 41-44 | Clinical lecture on gastroenterological disorders<br>Lecture Hall 2                  |
| 12. | Week 45     | Clinical lecture on digestive tract examinations and endoscopy<br>Endoscopy Unit     |