**Course description**

**SMPE/e Post-Master Class**

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## Medical Ethics

<table>
<thead>
<tr>
<th>Title Post-Master Class</th>
<th>Medical Ethics</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Number of daily periods: (à 4 hours)</td>
</tr>
<tr>
<td>Education (incl. seminars, demonstrations, tours and practicum, if applicable)</td>
<td>6</td>
</tr>
<tr>
<td>Other (selfstudy, paper/assignment preparation, preparing for exam if applicable)</td>
<td>15</td>
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<tr>
<td>Examination (paper presentation day/ exam day)</td>
<td></td>
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<tr>
<td>ECTS (1 ECTS = 28 hours)</td>
<td>3 ECTS</td>
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<tr>
<td>Target group and admission criteria</td>
<td>Medical physicists in training, biomedical engineers and other technology professionals (in training) working in healthcare (hospitals and medical industry).</td>
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### Short description

Medical physicists, biomedical engineers and healthcare equipment development engineers and other technological professionals in healthcare must be able to act accordingly to medical ethical values established nowadays in order to cope with dilemmas in the clinical environment. In this course current debates in medical ethics will be discussed to create a reflective attitude in participants towards ethical dilemmas in everyday clinical practice.

### Learning goals

1. The participant understands what medical ethics are.
2. The participant knows how to relate medical ethics to his daily activities.
3. The participant understands the ethical consequences of his professional behavior and that of other medical professionals.
4. The participant can make an effort in the formation of the public and professional responsibility of medical physicists.
5. The participant learns to apply insights from the course to a concrete medical physics subject.

### Content

- Introduction and basic Medical Ethics.
- Ethics of the clinical physicist.
- Ethics of diagnostic technologies.
- Research Ethics.
- New technologies, new questions regarding quality of life and life extension.
- Ethical dilemmas of medical specialists in a hospital.
- Rationalizing in Healthcare.
- Neuro-ethics.

### Format

- 3 interactive course days.
Medical Ethics

| Location: | Technische Universiteit Eindhoven, TU/e campus site. |
| Assignment for writing an essay. |

**Language post-master class**

- Oral: English. In Dutch when only speaking participants are present.
- Written: English (hand-outs, literature).

**Course material (and literature)**

- Hand-outs, provided by SMPE/e.
- Teachers’ presentations made available by SMPE/e.
- Recommended literature:
  A literature list with all the recommended articles will be provided by SMPE/e.
- Regarding rights on material see SMPE/e course conditions.

**Completion/Certification**

- After registration, full attendance (100%) is mandatory, unless otherwise agreed with SMPE/e. In case of force majeure, contact the SMPE/e office immediately!
- Participant obtained a sufficient mark for the assignment.
- Furthermore see SMPE/e course conditions.

**Registration**

- Registration via link on www.tue.nl/smpee/cursussen
- Office SMPE/e-courses will send a confirmation by e-mail.
- Application is possible until start date of a course (note: limited number of participants, FULL=FULL).
- Also see SMPE/e course conditions.

**Course fee (for external participants)**

- Course fee € 1.700,- (the invoice will be sent by the office SMPE/e-courses to participants).
- Also see SMPE/e course conditions.

**Further Information**

- www.tue.nl/smpee/cursussen
- Office SMPE/e courses: smpee@tue.nl (tel. 040 247 2134).