

COURSE DESCRIPTION

1. Name of course **Particular Aspects of Lighting and Lighting Sources**
 2. Field (specialty) (primary curriculum) **Optical Engineering**
 3. Training profile (specialty, program) **Pulsed optical physics research, Lighting Engineering and light sources**
 4. Qualification (degree) **master**
 5. Supporting subdivision **Department of Lasers and Lighting Engineering**
 6. Professor **Victor Lisitsyn**, tel. **8 (3822) 41-98-31** *E-mail* **lisitsyn@tpu.ru**
 7. Course mastering results
At the conclusion of the course the student will be able:
 - to measure such parameters as luminous intensity, luminous flux, illuminance, brightness, as well as emission and absorption spectra;
 - to analyse results of measurement;
 - to search, analyse, and generalise technical and scientific information.
 8. Course contents
 1. Metrological bases of photometry. Units of measurement.
 2. Methods of photometry
 3. Measurement of integral values in lighting engineering
 4. Spectral measurements
 5. Light sources
 9. Year **1** semester **1**
 10. Prerequisites **Physics**
 11. Corequisites **Modern problems of optical engineering**
 12. Type of attestation **credit test**
- Author(s) **Victor Lisitsyn**