

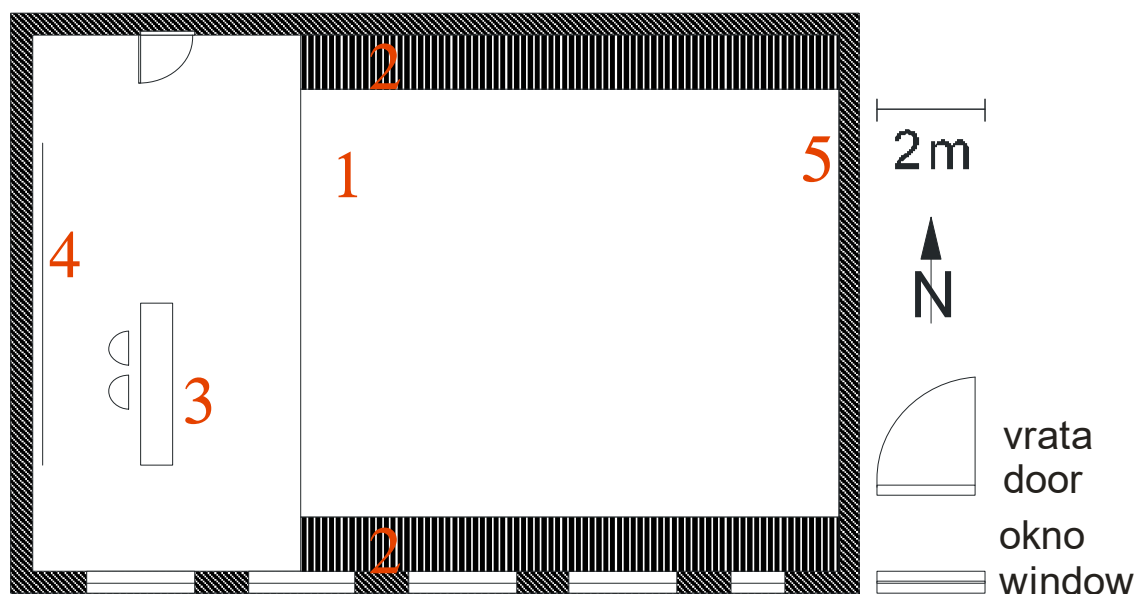
Projektna naloga

za izpit pri predmetu Svetlobna tehnika

Izdelajte projekt razsvetljave predavalnice na fakulteti za 200 ljudi.

Opis prostora:

- velikost prostora: dolžina: 15 m, širina: 10 m, višina: 4,5 m;
- odsevnosti: strop: 0,6, stene: 0,6, tla: 0,4;
- prostor je namenjen predavanjem in pisanju izpitov;
- strop bo izveden klasično – betonska plošča, inštalacije za svetilke v stropu;
- okvirni razpored pohištva in druge opreme je viden iz tlorisa;
- če ni drugače navedeno, upoštevajte standardno višino in dimenzije pohištva;



Tloris prostora z okvirno razporeditvijo pohištva in ostale opreme. Oznake pomenijo:

1. del prostora s klopi in sedeži, višina klopi 75 cm;
2. stopnice, zadnji del +200 cm;
3. kateder za profesorja, višina 80 cm;
4. tabla;
5. zadnji del predavalnice je dvignjen za 200 cm

Projekt naj obsega:

- tehnično poročilo
- izpis rezultatov izračunov kot prilogo

Tehnično poročilo mora vsebovati:

- kratek opis prostora;
- navedbo splošnih zahtev za razsvetljavo delovnih mest v prostoru;
- opis delovnih mest z navedbo ustrezne osvetljenosti in ostalih relevantnih parametrov;
- navedbo in utemeljitev izbranega koncepta in vrste razsvetljave;

- navedbo in utemeljitev izbranih svetlobnih virov;
- navedbo in utemeljitev izbranih svetilk;
- prikaz osnovnih podatkov o prostoru in izbranih svetilkah ter virih;
- navedbo in kratek komentar glavnih rezultatov;
- navodila za vzdrževanje razsvetljave;
- navedbo upoštevanih dokumentov.

Priloga tehničnega poročila (izpis iz programa s katerim ste izvedli izračune) mora vsebovati vse relevantne podatke iz katerih je mogoče oceniti ustreznost projekta in njegovo skladnost z zahtevami standarda in drugih regulativnih dokumentov (npr. tehničnih smernic).

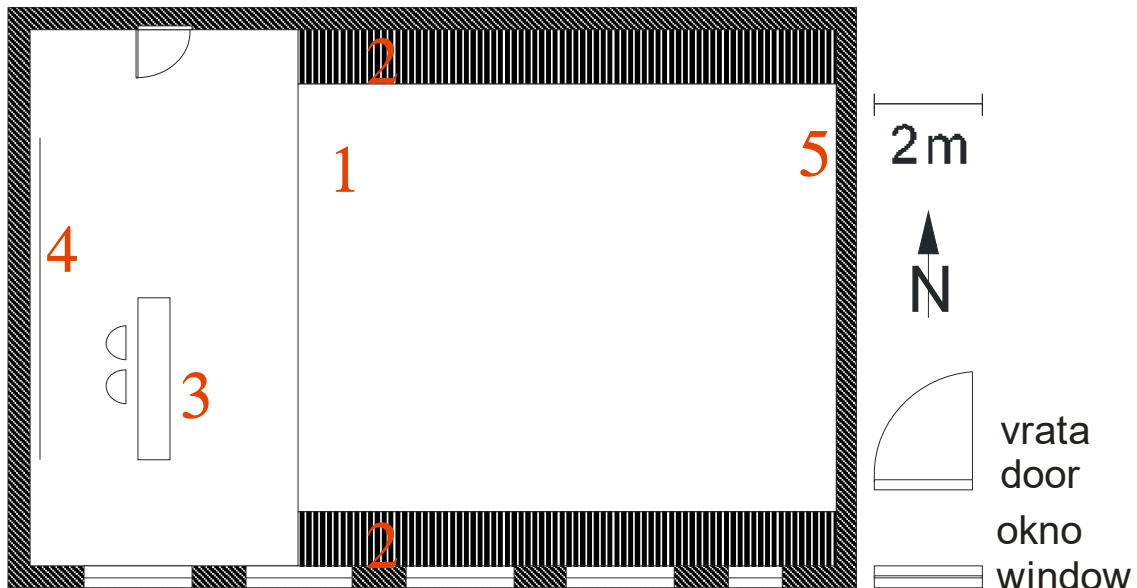
Project task

in the subject Lighting Engineering

Design lighting of lecture hall at the faculty for 200 people.

Description of the room:

- Size of the room: length: 15 m, width: 10 m, height: 4.5 m.
- Reflections of surfaces: ceiling: 0.7, wall: 0.5, floor: 0.2.
- Hall is intended for lecturing and writing exams.
- Ceiling will be made as a concrete slab, el. installation will be in ceiling.
- The basic design and arrangement of furniture and other equipment is visible on the ground plan below;
- If not stated otherwise, consider the standard height and dimensions of the furniture;



Ground plan of a room with basic arrangement of furniture and other equipment. Noted with numbers are:

1. part of the room with benches and seats, bench height 75 cm;
2. stairs, rear part +200 cm;
3. Professor's desk, height 80 cm;
4. whiteboard;
5. last part of the lecture room is raised by 200 cm

Project should include:

- Technical report.
- Printed results of calculations as an attachment.

Technical report must include:

- Brief description of the room.
- List of general requirements for lighting in the room.

- List of "workplaces" in the room with description of the appropriate lighting and other relevant parameters.
- Description and justification of the chosen concept and type of lighting.
- Description and justification of the selected light sources.
- Description and justification of the selected luminaires.
- Basic information about the room and selected light sources and luminaires.
- Main results with short discussion.
- Instructions for maintenance of the lighting.
- References.

Attachment of the technical report (print from the calculation program - DIALux) must contain all relevant information needed for evaluation of the project and its compliance with the requirements from the standards and other regulatory documents (e.g. technical guidelines).