

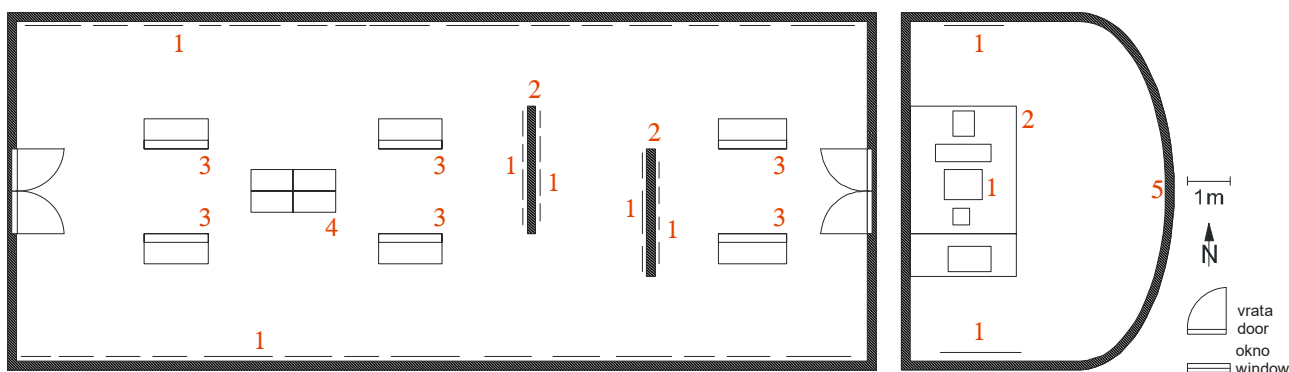
Projektna naloga

za izpit pri predmetu Svetlobna tehnika

Izdelajte projekt razsvetljave galerije s slikami starih mojstrov.

Opis prostora:

- velikost prostora: dolžina: 20 m, širina: 8 m, višina: 6 m;
- odsevnosti: strop: 0,4, stene: 0,6, tla: 0,4;
- prostor je namenjen galerijski dejavnosti - razstavi slik starih mojstrov;
- strop je obokan ter spomeniško zaščiten (freske), pritrditev svetilk na strop ni možna;
- okviren razpored pohištva in druge opreme je viden iz tlorisa;
- če ni drugače navedeno, upoštevajte standardno višino in dimenzije pohištva;



Tloris in stranski ris prostora z okvirno razporeditvijo pohištva in ostale opreme.

Oznake pomenijo:

1. stene s slikami;
2. predelne stene s slikami, višina 3 m;
3. klopi za obiskovalce;
4. vitrine z razstavljenimi predmeti;
5. obokan strop s freskami.

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).

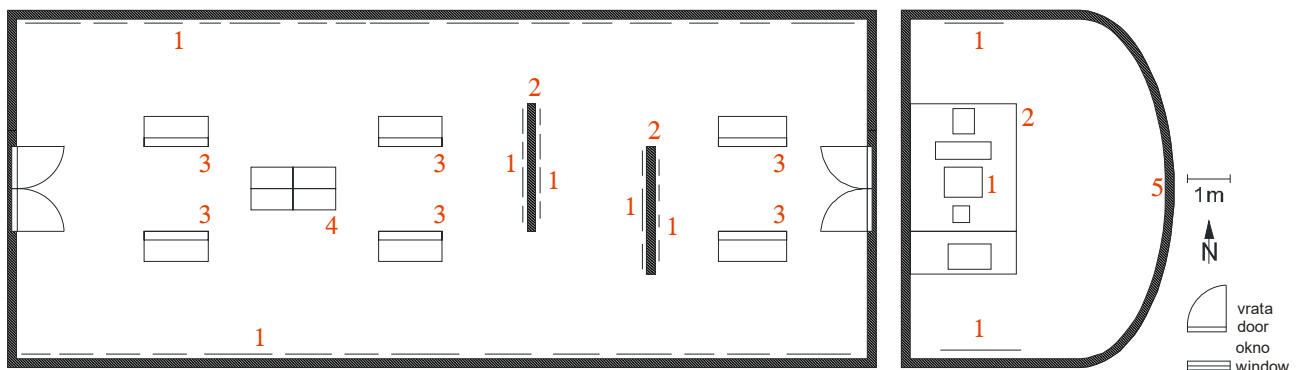
Project task

in the subject Lighting Engineering

Design lighting of gallery with paintings by old masters.

Description of the room:

- Size of the room: length: 20 m, width: 8 m, height: 6 m.
- Reflections of surfaces: ceiling: 0.4, wall: 0.6, floor: 0.4.
- The space is intended for gallery activities - exhibits of paintings by old masters.
- Ceiling is arched and protected (frescoes), the attachment of luminaires to the ceiling is not possible.
- 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 and side view of a room with basic arrangement of furniture and other equipment. Noted with numbers are:

1. walls with pictures;
2. partition walls with pictures, height 3 m;
3. benches for visitors;
4. showcases with exhibited objects;
5. arched ceiling with frescoes.

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).