

Guidelines

Please read the following guidelines and follow them carefully. You may also browse the Projects Archive on the Moodle course page for reference and examples.

What should your project be about

In general, there are hardly any restrictions on what you can do for your project, as long as it is related to computational vision and involves at least minimal degree of original or critical thinking. For example, you may try to analyse and improve an existing computational method, or perhaps suggest and perform a psychophysical inquiry of a visual perceptual phenomenon. Application of class material to other disciplines, or coping with issues presented in class with ideas or tools from other disciplines, are particularly welcome.

What do you need to submit

Your final projects, and the material you need to submit, must include several items:

- A report (PDF) which describes your work in detail, including your ideas and goals, course of action, implementation (if applicable), results, and conclusions.
- A web presentation and a video clip as explained below.
- A 10 minute oral presentation delivered in a special class session.
- A piece of code or computer program (if applicable).

How to submit your project

All your project files and web presentation content should be included in a single self-contained directory (folder). First, all the members of the project should register as a group in the designated resource on Moodle. Name your directory "ICBV241-Project-[GroupNumber]" (e.g., for a group that has been assigned the number '20', their directory will be named "ICBV241-Project-20").

Projects that do not follow this convention will not be processed or graded.

Your directory should include the following files:

- Your web presentation page (an html file), which you must name "ICBV241-[GroupNumber]-index.html". You are required to use [this template html file](#) as the skeleton for your project's page (later it will be integrated into the course Moodle page). Avoid using web creation tools and edit the template html file with a text editor. If you are not familiar with html, consult one of the many tutorials available on the web (for example [here](#)).
- Your project's report (PDF).
- Your oral presentation slides (both PPTX and PDF).
- Your project video file (MP4, AVI, MOV, or WMV). This should be a short edited video (up to 3 minutes) advertising the team and the project in an appealing, amusing, and informative way. You can find some nice examples from similar courses at BGU (e.g., check [\[1\]](#), [\[2\]](#), [\[3\]](#)). After your submission, your video clip will be uploaded to the course's [YouTube channel](#), and will be embedded in your project's web page.

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- Your code or computer program, if applicable for your project. Include both source code and executable.
- Any additional files that are referenced from your web presentation and needed for it to work properly (graphics, images, etc...).

As you can see in the template html, all the files mentioned above should be referenced from your project's page. **Importantly, all the files in your directory must have the same prefix "ICBV241-[GroupNumber]-[NameOfFile]"**, where the name of your file has no spaces in it. For example, if the same group from the previous example were to include an image to their directory, a possible name for the image would be "ICBV241-20-img1.png". After submitting your project it will be integrated in the course's website and all the files references from your project's page will be uploaded to the course's database. The mentioned naming rule guarantees that no two files in the course's database will have the same name (i.e., ensures that your files will not be overridden). **Projects that will not follow this guideline will not be processed or graded.**

Once ready, check the integrity of your project directory by opening the index.html file in your browser. Make sure that all the links are active and referenced properly, and that all graphics and images are integrated and presented correctly in the page. Then compress the entire directory using ZIP/gzip/tar such that when it is extracted it recreates the directory with the name specified above, including all the files it contains. Finally, upload this single zip file to the submission system.

How will your project be graded

Projects that will comply with the submission guidelines will be grades based on all of the following (somewhat subjectively evaluated) factors, most weighted equally (but with originality and depth outweigh the others):

- Originality and depth (the degree you have incorporated original, creative, and critical thinking, as well as references and sources beyond the course material).
- Challenge taken (or how challenging was your goal, in the spirit of "Who dares wins").
- Project quality (i.e., how well you have managed to describe your project, to argue for its importance, and to show convincing results in your report).
- Level of implementation (i.e., how well you have implemented your ideas into a workable, user-friendly and intuitive system, if applicable).
- Oral presentation (or how well you have managed to describe your project during your 10 minutes oral presentation).
- Video presentation (or how does your project video address the requirements described above)
- Web presentation (i.e., how appealing and self inclusive is your web page)
- And finally, reproducibility (i.e., how easy it was for us to run your project, if applicable, reproduce the results you report and experiment on novel input that we provided on our own).