Points covered on **May 19, 2016 (updated on June 14th)** by the TA (Philip B. Alipour):

1. Are group members in the right groups? Who is out, is he/she a newcomer and/or absent? TA played the role of a matchmaker relative to the individual's discipline in order to join a group accordingly.
    Main reference table is in form of a spreadsheet regularly being updated by the TA as groups are formed and report their projects. This is emailed to all students and the course coordinator.
2. Do all groups have topics and approved?
3. Having multiple topics/projects is OK (if the supervisor is OK and approves as far as you mention there are other groups working on the same topic)
4. Presentation schedule should be referred to from the course information page
    http://www.ece.uvic.ca/~elec499/2016-summer/499-2016-Summer_Course_Info.pdf
5. Presentation criteria/rubric (what is expected? **PowerPoint file submission only**):
    o   Avoid using **qualifiers** e.g. <u>best performance</u>, if so, compare using values/results. Another example is: … We triangulate our 3D scanning to model <u>any great bridge</u>…, is also bad. How great? Greater than NY bridge? Is the focus of the "greatness" on the length or height or both? Give a **comparative value** as a point of reference to compare and verify your claim.
    o   Avoid **humming phrases**, **word repetition**, **pauses** or **silence** when you need to be talking (we all do!), instead, practice and use **catch/pitch phrases** in order to sell your idea to a Company manager, CEO, etc. in a matter of 2 minutes…

Examples of a **"pitch phrase"** that could get you mostly running smoothly for a good presentation are as follows (*I came up with them so they don't have to be relevant to any of the topics you have taken*):

-   'Harry the robot' likes to play air hockey while it/he calculates through our AI program the dimensions of the field and the objectives of the game as well as the next order of the day, to fry your eggs for breakfast when you desire it!
-   You feel blue from work. You enter your home and our AI projector relative to its psychological sensor measuring your mood, virtually paints your walls in e.g. teal to make you feel better. In parallel, the projector changes the music mood based on your profile in its database, <u>intelligently</u>. Now you can sit down and relax with a glass of red wine. "Intelligently" here, must be measurable to validate your claim!
-   A dying patient from a cardiac arrest can be revived by mechanical/electrical means when we use device **A** as we monitor the patient with device **B** from a remote distance. Device **B** through our program can make <u>reliable</u> predictions to prevent this scenario. The extent of "reliability" here, must be measurable.
-   Our Baby Monitoring App can be downloaded, accessible and <u>highly mobile</u> with a remote global distance of **x** compared to the <u>famous</u> **X** under **OS Y** sold on the market. The key components that make this happen in our project are: **{a, b, c,…}** which satisfy **x** with respect to **X**. Now you may play a lullaby to your baby from afar. Note that, the "highly mobile" qualifier in this case has been clarified/validated!

    o   Don't glue your eyes to your cue card(s); eye contact with the audience is important as you motivate them to later ask questions about your project. Body language and referring to the slides adequately, both fall into this category.
    o   **Coherence** is key to maintain (a logical) flow and order/structure of your presentation (**introduction → body → summary**):

Elevator pitch overall structure (not mandatory to be visible in your slides): Summary points of all sections, mainly the design problem and your approach as the overall solution. Your design problem or the "key points of the project" is mainly your introduction (see criteria sample on the final page).

The body and summary of your presentation will be focused on your solution or approach to solve the problem (hypothetically) as well as the expected outcome(s) of it in e.g. society.

Progress presentation overall structure (expected to be visible in your slides): Introduction focuses on your problem and progress thus far (background). The body focuses on your design, challenges and solution to the problem. Summary is focused on your design outcome and its future impact on society.
Note: These presentations do not have to be presented based on your final report and whatever you have progressed upon, you can work with.

- o **Over-jargoning** is unacceptable! Common buzzwords used in a certain context is OK. Find a way to convey your idea in simple terms or a common ground between technical and non-technical terms used in your work, unless you are doing a graduate defense or your audience is comprised of discipline-specific engineers and scientists (when they ask you about a specific aspect of your project)
- o **Acronyms** must be spelled out. IEEE, GPS, AI, … are well known (probably not to some of our friends), but THz (terahertz) must at least be compared to megahertz standards, or ISIS that can stand for Intelligent Sensing for Innovative Structures, could be confused with other commonly/negatively used acronyms in public and media. For more examples, refer to the internet!
- o All members must have a turn in the presentation (mainly in the 5-minute one. For the elevator pitch however, up to 3 members shall suffice, but all members must be present for the Q&As)

6. Collecting registration forms in hardcopy and electronically for official and archival use was conducted.
7. Please send for the 2-minute presentation at least a single slide PowerPoint file to put the project title up for display.
   - o Please when you send your file, name it as EPG**x**, if you are in group **x** for the elevator pitch, and PPG**x** for the progress presentation.
   - o If you have animations, video, compressed data and/or embedded links, make sure it is generally runnable and in a common format. I need to first test it on my machine.
   - o I will run your file(s) on my laptop as the presentation starts and be evaluated accordingly.
   - o There will be a timer displayed with a few seconds extra given to you to prepare before presentation.
8. Please turn off your cellphones during presentation.

Final notes:
This document could be treated as your guideline and you may present as you wish and marks will be given according to the criteria/rubric.

The overall focus is to sell your idea in form of a pitch in a professional context, but when it comes to progress presentation, all requirements need to be met. This is to prepare you for the public presentation which varies in time and scope relative to your audience inquiries.

Students who carried out the 399 as well as the previous years' 499 course, when complied with the requirements did fine on their presentations! Thank you for your constructive opinions.

Best of luck,
Philip

Next page shows the presentation criteria sample for each group that shall be evaluated based on the points raised above. Please refer to the **Notes** section in the following table for more details.

BME/CENG/ELEC/SENG 499 Presentation Criteria Sample

Subcomponents comply and have been adapted from the presentation rubric of the 499 course in the past (since Summer 2014)

Group No	Presentation Specifics	EPitch: Scale (out of 4)	ProgPres: Scale (out of 4)	Web Presentation (out of 4.0 = 10%)	Public Presentation + Pamphlets (out of 4.0 = 10%)	Presentation (out of 25%)	Notes
n	Ontime presentation file submission + Attendance	3.0	4.0			4.4	***Submission Deadline****: 4 hours before the session starts*
	Speech coherence (flow & order) **(Communication & Organization)**	3.5	2.0			3.4	*No environmental disruptions should be an issue; avoid pauses and gaps (see presentation expectation points, first page)*
	Knowledge/Understanding: Demonstrates knowledge of the key points of the project	2.5	2.0			2.8	*Problems (vulnerabilities) and challenges: how to address them?*
	Communication: Topic motivation and Audience engagement	1.5	1.5			1.9	*See presentation expectation points, previous pages*
	Thinking/Inquiry: Shows evidence of research and preparation	2.0	1.0			1.9	*Research_evidence: Mainly design and development cycle cost-related issues*
	Organization: Finish presentation on time with summary	2.0	2.5			2.8	
	Average	**2.4**	**2.2**	**2.2**	**2.0**	**13.4**	*Averaged with Web and Public Presentation cells*

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Homepage: http://web.uvic.ca/~phibal12/

Appendix

The e-mail correspondence and the group-list update are given as follows:

> **Date: Tue, 14 Jun 2016 06:39:23 -0700**
> **Subject: Progress Presentation Reminder and Group List Update**
> **From: phibal12@uvic.ca**
> **To: engn-classes-201605-bme-499-a01@lists.uvic.ca; engn-classes-201605-ceng-499-a01@lists.uvic.ca;**
> **engn-classes-201605-elec-499-a01@lists.uvic.ca; engn-classes-201605-seng-499-a01@lists.uvic.ca**

Dear 499 students,

1- Please find the attached as your new group list update.
One group, group #27 in this update has been moved to the 2nd progress
presentation week. So we will have 9 groups presenting this week.

2- This time, I will start the class 20 minutes early as I ask for a
maximum of 3 volunteers to present first in response to my current email.

3- The structure of the presentation has been already highlighted in the
"499 presentation notes" document posted since the idea pitch on the 499
course main webpage. You may consult and refresh your thoughts on it!

4.1- I have also attached my former email below if you need to recall what
is to be expected more or less on Thursday.
4.2- If any group is left behind in this session, that group will be
rescheduled to present on **June 30th** according to the "course outline"
updated last week:

http://www.ece.uvic.ca/~elec499/2016-summer/499_course_outline_2016_summer.pdf

This is also the case for next week presenters. For the final wave
presenters, an extra time-slot is considered, just in case.

5- You will have 5 minutes with extra 5 seconds to present this time with
more details.

6- The presentation results will not be revealed to students until all
presentations are over. The comments on each presentation component per
group will be shared in order to improve and prepare for public
presentations. Note that, the results will be final since the sessions are

recorded for further reference to the specific written comment(s),
accordingly. So please don't email me about this!

7- I will include in the presentation notes update this correspondence as
an appendix which I will ask Harry to upload shortly on the webpage for
your collective reference.

See you on Thursday,
Best of luck,
Philip
==

>**Date: Thu, 26 May 2016 20:47:53 -0700**
> **Subject: Future Presentation Reminder**
> **From: phibal12@uvic.ca**
> **To: engn-classes-201605-bme-499-a01@lists.uvic.ca;**
engn-classes-201605-ceng-499-a01@lists.uvic.ca;
engn-classes-201605-elec-499-a01@lists.uvic.ca;
engn-classes-201605-seng-499-a01@lists.uvic.ca
> **CC: philipbaback_orbsix@msn.com; hkwok@ece.uvic.ca**

Dear 499 students,

1- I have received a complaint today, such as "why not their group getting
a turn this week, or being first to present, as well as being
disappointed?"!

This issue or any similar type is addressed to all groups in terms of
future encounters on this course formally through this email as follows:

As I have stated before, some groups will be "rescheduled" in these
proceedings especially when it comes to the 5-minute presentations in
extra hour timeslots (see the last few emails sent to you).
If your group has missed that email or not have had a read, that is not my problem!

Furthermore, the class has a 50-minute time allotted to all students on
official basis to be present. I have waived it on the possibility not to
be present, if it is not your turn on the presentation day. So your
participation as part of the audience will be appreciated in order for the
presenters to have a better insight and practice about their ideas, e.g.
design improvements, challenges, etc.

2- You may volunteer (volunteering is merely an option) through official
correspondence and present first, and if needed to stay for a short period
on the presentation day, please mention your excuse via email (official

correspondence) so I could prioritize which group goes first before the official minute of the class begins. The remaining groups will have their turn in a numerical fashion.

3- As you all have witnessed, late submission(s) will cause delay in the class and the time-slot given to a group will be lost. In this case, Group #28 is now rescheduled to present first, next week, since their time was lost this week!

To this account, since we will have 16 groups remaining to present their elevator pitch, I will officially start 15 minutes earlier than the official hour in order to avoid time conflict with the subsequent class.

4- Also, all group members as scheduled, must be present in order to participate in Q&As which maps to your future public presentation as you prepare.

5- Finally, please do not send me emails to disclose your marks until all presentations on both counts, Elevator pitch and progress, are over. The results will reveal the level of improvement vs. down-performance in certain areas to improve for the public presentation.

In the class, I will not reiterate the same points mentioned above over-and-over (to avoid time consumption) and please read your late emails and/or presentation notes published on your course webpage for future reference and in-class preparations.
You may collectively, however, arrange an appointment to discuss matters in my office concerning reports,
presentations, etc. as I get engaged with according to your course information document.

See you next Thursday as we shall mutually perform professionally like earlier today,
Philip
===================================
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BME/CENG/ELEC/SENG 499 Projects Assignments - 2016 Status: June 13, 2016

Group No	Project Title	No. of Students	Student Names	Supervisor	E-Mail	Week Presentation turn	Comments
1	DC Micro Grids For Developing Communities (Rural Electrification)	3	Lowry, Joseph; Brooks, Jeremy; Dakers, Ben	Dr. Ashoka K. S. Bat	bhat@ece.uvic.ca	2, 3	2nd week of Elevator pitch and 3rd week of Progress presentation
2	Augmented Reality Tagging System	5	Nicholson, Sarah; Corrigall, Devin; Xu, Haoyan; Hansen, Andrew; McLaren, Luke	Dr. Jens Weber	jens@uvic.ca	1, 2	1st week of Elevator pitch and 2nd week of Progress presentation: rescheduled on May 27th
3	Low-cost Photon Counter for Biophotonics Applications	4	Hall, Fergus; Shew, Riley; Restall, Brendon; Psotka, Simon,	Dr. Poman So; Dr. Peter Kazakoff (external supervisor)	pkazakoff@starfishmedical.com	1, 2	
4	Motion to Text Translation Glove	5	Ball, Doug; Shahinfar, Blake; Hamdan, Kamel; Almatari, Robin; Saleh, Abdul-Rahman	Dr. Yang Shi; Dr. Rishi Gupta (external)	guptar@uvic.ca	2, 2	
5	Smart Trade Bruch Cleaner	3	Zhang, Wanbin; Lu, Ya Wei; Lo, Eric	Dr. Yang Shi	yshi@uvic.ca	2,3	
6	Boxing Analysis Through Sensor Metric Evaluation	4	Heal, Brendan; Choy, Felix; Life, Chris; Hufnagel, John	Dr. George Tzanetakis	gtzan@cs.uvic.ca	2, 2	
7	MMO Shooter Game	2	Holden, Brody SE; Driemel, Colson SE	Dr. Jianping Pan	pan@uvic.ca	2,3	No. of group members is low
8	AVATARI: FitBit Game	5	Fedderly, Charlotte Potter, Tyler Hildebrandt, Evan Scrimshaw, Denholm Prince, Darren	Dr. Jens Weber	jens@uvic.ca	1, 2	
9	dBrums and Phone Application	5	Rai Kumar, Husnal; Tauseef, Emad; Rivett, Mitchell; Laguerre, Sebastian; Lee, Chieh	Dr. Peter Driessen	peter@ece.uvic.ca	1, 1	
10	Power Monitoring Campus	4	Cooper, Ali; Ewart, Joshua; Johnson, Perry; Prusha, Lukas; Rassell, James	Dr. Kin Fun Li	kinli@uvic.ca	2, 2	
11	Full order prediction observer buck DC-DC	3	Preston, Brad EE; Hjermstad, Adam SE;	Dr. Ashoka K. S. Bat	bhat@ece.uvic.ca	2, 3	

	converter		Kim, Kyle EE				
12	Light Electric Vehicle	5	Williams, Daniel; Cormier, Robert; Arnall, Marlin; Dendandome, Jirawat; Robertson, James	Dr. Harry Kwok; Babak Nia (co-supervisor)	bmn14@uvic.ca	1, 1	
13	Audio Isolation and Localization Using Scattered Microphones	5	Whittle, Johnathan; Burdon, Erika; Dawson-Edwards, Nick; Chuter, Hayden; Liu, Victor	Dr. Peter F. Driessen	peterd@ece.uvic.ca	1, 1	
14	XD1- Smart Home project	5	Kelly, Daniel; Leech, Brandon; McGinn, Cole; Jow, Matias; Fedirchuk, Stephanie	Dr. Michael McGuire	mmcguire@ece.uvic.ca	1, 1	
15	XD1- Smart Home ptoject	5	Kroon, Adam; **Csercsics, Thomas**; Bunting, Michael; Piper, Trysten; Sadowski, Alex	Dr. Ashoka K. S. Bat	bhat@ece.uvic.ca	1, 1	Csercsics, Thomas, will be mostly absent due to family reasons (his contribution level will be recorded by the group)
16	DynFu: An Implementation of Dynamic Fusion	4	Weatherston, Jorin; Leahy, Robert; Roy, Helen; Heemskerk, Jordan	Dr. Andrea Tagliasacchi	ataiya@uvic.ca	2, 2	
17	Design of Jawbone Support Implants	6	Chan, Ryan; Fraser, Ian; Hawkins, Ryan; Wilson, Krista; Therrien, Cody; Wong, Timmons	Dr. Rustom B. Bhiladvala; Dr. D. Naysmith (external supervisor)	rustomb@uvic.ca	2, 2	Cody Therrien and Wong Timmons are added to this group since all are BMEs
18	Digital Audio Enhancement Controller	4	Scopick, Michael; Gradishar, Cooper; Erdmer, Tim; Campbell, Michael	Dr. Peter Driessen	peterd@ece.uvic.ca	2, 3	
19	Automatic Soil Resistivity Model	4	Bird, Nate; Macaulay, Kurt; Boag, Connor; Partridge, Winston	Dr. Harry Kwok; Ali Moshref (external supervisor)	hkwok@ece.uvic.ca	1, 1	
20	Data Replication Pipeline Microservice	3	Smith, Curtis; Claus, James; Cook, Chris	Dr. Stephen Neville	sneville@ece.uvic.ca	2,3	
21	Auto-Mixing for Small Venue Bands	5	Brysiuk, Benjamin; Bartlett, Chad; Lyall, Graeme; Mandryk, Kaegan; Lewin, Jordan	Dr. Wu-Sheng Lu; David Hilderman (external supervisor)	wslu@ece.uvic.ca, INNOProdCA@music-group.com	1, 1	
22	ARM Post of Rcpkop 3D Printer Firmware	5	Borthwick, Brendan; Burton, Alexander; Charmley, Trevor;	Dr. Michael McGuire	mmcguire@ece.uvic.ca	1, 1	

			Nelson, David; Short, Kyler				
23	Augmented Extrusion	2	Guillemot, Nicolas; Laswi, Ahmad Murray, Matthew (**not a class participant**)	Dr. Andrea Tagliasacchi	ataiya@uvic.ca	2,3	
24	Design of Jawbone Support Implants	5	Douglas, Sarah; Armour, Evelyn; Sun, Sally; Herndorf, LeAnne; **Gervais Harrison, Darren**	Dr. Nikolai Dechev	dechev@uvic.ca	2, 3	
25	CA1 Limb Position Alert Position	4	Shcheblynsky, Yevgen; Dahlman, Tyler; Wright, Jordan; Couso Bruno, Daniel	Dr. Mihai Sima; Carl Spani (external)	msima@ece.uvic.ca	2, 3	
26	UVic & CRD Emergency Mesh Network	4	Cavallin, Michael; Chan, Ken; Birch, Nick; Rhodes, Tyler	Peter Driessen; Eric Manning; Rob Johns (External supervisor)	peterd@ece.uvic.ca, emanning@engr.uvic.ca, epmanager@uvic.ca	1, 1	progress presentation changed from 2 to 1
27	Design of Jawbone Support Implants	5	Segal, Mark; Sukhnandan, Nastassja; Karperien, Lucas; Weinzierl, Daniel; Turner, Dylon	Dr. Nikolai Dechev	dechev@uvic.ca	1, 2	moved to 2nd progress presentation week
28	Wild Fire Home Protection System	5	Sawyer, Montana; Rajwan, Jesse; Pelletier, Devin; Meyer, Chris; Cole, Byron;	Dr. Yang Shi	yshi@uvic.ca	1, 2	
29	Desktop Injection Moulding Machine	6	Schwaiger, Nick; **Lukow, Caitlin; Hay, Wilson; Ma, Kailen; Ravens, Michael; Planden, Brady**	Colin Bradley (ME); Dr. Rodney Katz (external supervisor)	rkatz@uvic.ca	N/A	The people highlighted in bold are evaluated while being registered in MECH 400
	Total	**125**					