

AGI20

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Welcome to Advanced Computer Graphics and Interaction (AGI)!

My name is [Mario Romero \(https://www.kth.se/profile/marior\)](https://www.kth.se/profile/marior). AGI will be a project-based course. Due to COVID19 restrictions, we will hold most meetings in zoom.

<https://kth-se.zoom.us/my/visualmario> (<https://kth-se.zoom.us/my/visualmario>)

Communication

Communication will be critical. Here are my suggestions:

1. Regular or pre-scheduled meetings in zoom, as individuals, as groups, or as the entire course.
2. Send messages here on Canvas. I regularly read the messages on Canvas. In the subject start with: "YOUR GROUP NUMBER AND NAME: TOPIC", where topic means one of: "Proposals, Agile meeting number, public presentation number, general question, or private question."
3. Email me ([marior@kth.se \(mailto:marior@kth.se\)](mailto:marior@kth.se)) with subject heading "DH2413 - YOUR GROUP NAME: THEME " and the theme of your message. Without the subject heading, your email may be delayed.
4. **Somewhat urgent:** PM me on Facebook (<https://www.facebook.com/marioromero73> (<https://www.facebook.com/marioromero73>)).
5. **Urgent:** Text or Whatsapp me: ### starting with heading "DH2413 - YOUR NAME - YOUR GROUP NAME: THEME"
6. **Super urgent:** call me.

Please, take a minute now to save my contact information in your phone.

Intended Learning Outcomes

ILOs (in bold are the COVID19 addendums):

1. Collaborate **online** to build original and stable projects that combine methods in advanced computer graphics and advanced **and socially-distant** human-computer interaction;
2. Communicate **online** the theory and practice of these methods at a technical and a practical level;
3. Provide **online** informed constructive criticism to the development of the projects from other teams;
4. Demonstrate the projects to open audiences **online**.

Course Leaders and Practical Information

Instructor	Mario Romero,_(https://www.kth.se/social/user/178785/) marior@kth.se (mailto:marior@kth.se?Subject=AGI14:%20)
TA	Marko Petrovic,_(https://www.kth.se/profile/marko) marko@kth.se (mailto:marko@kth.se) (https://www.kth.se/profile/marko)
VIC Director	Björn Thuresson,_(https://www.kth.se/profile/thure) thure@kth.se (mailto:thure@kth.se)
VIC Engineer	Ingemar Markström,_(https://www.kth.se/profile/ingemarm) ingemarm@kth.se (mailto:ingemarm@kth.se)
Language	English
Classroom	https://kth-se.zoom.us/my/visualmario (https://kth-se.zoom.us/my/visualmario)
Office (Mario)	Lindstedtsvägen 5 - 4417 (https://www.kth.se/places/room/id/47c4ff63-e46c-49c4-8b38-643fbfde27d7)
Of. Hrs	We will meet individually with students upon appointment.
Credits	9 Hp - each credit translates roughly to 30 hours of work.
Reading Material	As an advanced course, the reading material will be mostly scientific papers in graphics and interaction. We will determine the material partly based on the projects.
Grading	The grades will be A, B, C, D, E, FX, F. <ul style="list-style-type: none"> • A: 91 - 100% • B: 81 - 90% • C: 71 - 80% • D: 61 - 70% • E: 51 - 60% • F < 50%

Fx will be given only in especial cases.

In order to pass the project, students must: 1) submit it on time; 2) submit quality material; 3) follow the rules of conduct in the honor code. I will provide more detailed metrics for grading at due time.

Meetings Slides, Notes, Surveys, and Videos

Meeting / Date	Title (assign. link)	Slides/vids
1. August 25	Introduction	M01 Slides y9Xc8TZjLRt
2. August 26	Group Forming	None
3. Sept 1	Group Work	M03 Slides dtrWy3nW5E
4. Sept 3	How to propose (https://kaf-canvas-308.kaltura.nordu.net/media/AGI+Proposal+Instructions/0_ofcjd6q/336961)	M04 Slides YVKkdd_kiA
5. Sept 8	Group work	Ev. Results (https://docs usp=sharing)
6. Sept 11	Proposals	M06 Slides (https://docs usp=sharing)
7. Sept 15	Prop. Discussions	M07 Slides (https://docs usp=sharing)
8. Sept 22	Agile 1	Ag Videos (JIBE/edit?us
9. Sept 28	Agile 2	Ag Videos (JIBE/edit?us
10. Oct 6	Alumni Showcase	Ag Videos (JIBE/edit?us
11. Oct 26	Lessons Learned (https://docs.google.com/presentation/d/1nApqiJXFfSZOEq73HgCvpu6Nm0Z5Uh-rsv7HeXgNNkk/edit?usp=sharing)	M11 Slides rsv7HeXgNN
12. Nov 2	Agile 3	Ag Videos (JIBE/edit?us

13. Nov 9	Agile 4	Ag Videos (JIBE/edit?us
14. Nov 13	Hands-on Demo 1	Ag Videos (JIBE/edit?us
15. Nov 16	Hands-on Demo 2	Ag Videos (JIBE/edit?us
16. Nov 23	Agile 5 - HoD 3	Ag Videos (JIBE/edit?us
17. Nov 30	Agile 6 - HoD 4	Ag Videos (JIBE/edit?us
18. Dec 8	Prepare Open H.	M18 Slides yo IQroWeb'
19. Dec 16	Digital Open H.	Ag Videos (JIBE/edit?us

Detailed Grading

Group Project 50%		
00. Preparing for Group Forming Fika	Wednesday, August 26, 8:00	2
01. Proposal Video	Friday, September 11, 13:15	4
02. Proposal Discussion	Tuesday, September 15, 15:15	2
03. Agile Meeting Demo 1 + discussion	Tuesday, September 22, 13:15	2
04. Agile Meeting Demo 2 + discussion	Monday, September 28, 10:15	2
05. Alumni Network Showcase	Tuesday, October 6, 15:15	8
06. Agile Meeting Demo 3 + discussion	Monday, November 2, 10:15	2
07. Agile Meeting Demo 4 + discussion	Monday, November 9, 10:15	2
08. Hands-on Agile Meeting	Friday, November 13, 8:00 - 12:00	8

09. Agile Meeting Demo 5 + discussion	Monday, November 23, 10:15	2
10. Agile Meeting Demo 6 + discussion	Monday, November 30, 10:15	2
11. VIC Digital Open House	Wednesday, December 16, 8:00 - 12:00	8
12. Project Web Page	V1: Nov 10. V2: Nov 30. Final: Dec 14	6
	Total	50

Self and Peer Review 50%		
01. Time Tracking	Weekly every Friday at 17:00	6
02. Proposal Video Reviews (2 reviews)	Monday, September 14, 23:55	2
03. Review Demo 1 (2 reviews)	Tuesday, September 22, 23:55	2
04. Review Demo 2 (2 reviews)	Monday, September 28, 23:55	2
05. Review Alumni Network Showcase (6)	Friday, October 24, 23:55	8
06. Review Demo 3 (1 review)	Monday, November 2, 23:55	2
07. Review Demo 4 (1 review)	Monday, November 9, 23:55	2
08. Review Stockholm Arena Showcase (6)	Wednesday, November 18, 23:55	8
09. Review Demo 5 (1 review)	Monday, November 23, 23:55	2
10. Review Demo 6 (1 review)	Monday, November 30, 23:55	2
11. Review VIC Online Open House (6)	Friday, December 18, 23:55	8
12. Review Project Web Page	Tuesday, December 8, 13:15	6
	Total	50

When grading individual assignments we will hand out three levels of grades:

1. Not Pass - 0%
2. Pass - 80%
3. Pass with Excellence - 100%

Covid19 Plan

I will summarize part of my COVID19 plan here for your information:

1. I have never lectured in AGI. I do not plan to start now. You should have an understanding of computer graphics from the introductory courses at KTH or your home university. Most of what you can learn is already online through MOOCs, tutorials, technical videos and, frankly, research papers and digital textbooks. It would be redundant to add more material.
2. Rather, I lead projects. I plan to continue doing this, but I will be more involved this year. In the past, I led through agile meetings once a week and a series of structured presentations both within and outside of the course. I plan to do this as well as join our GITHubs, Trellos, and Slacks and keep a communication channel constantly open. I plan to spend more time leading AGI this year.
3. We will do one project per group for the entire period. Previously we have done two projects with two different groups, one ending in the first week of November, one ending in the second week of December. Due to the restrictions imposed by COVID19, we will focus on one semester-long project starting next week and ending on the second week of December.
4. Half of your grade will be your individual contribution to the learning outcomes of the group project. I will track individual contributions very carefully.
5. Half of your grade will be the peer review and structured critical feedback you give to the other groups' projects. Again, I will create a very structured mechanism to track individual peer review.
6. We will have weekly agile meetings online with individual groups. We will record these meetings and the group will be responsible to edit the video to summarize the main points of the meeting and share them with the other groups for review. This is a major component of the learning.
7. We will create and view pre-recorded presentations of our work and provide individual written critical feedback prior to the live discussions where we continue to provide structured critical feedback.
8. We will have these milestones in the project:
 1. **Group Forming Fika:** Wednesday August 26, 8:15-12:00. In person for all but those who cannot attend (they can join over zoom). Outdoors. Bring your own fika. [Forest next to the VIC studio \(https://goo.gl/maps/FATYjA85JHMNHw6E8\)](https://goo.gl/maps/FATYjA85JHMNHw6E8).
 2. **Project Proposals:**
 1. Pre-recorded Videos: Friday, September 11, 13:15.
 2. Group Discussion: Tuesday, September 15, 15:15.
 3. **Agile meeting for Sprint 1:** Tuesday, September 22, 13:15.
 4. **Agile meeting for Sprint 2:** Monday, September 28, 10:15.
 5. **First Public Presentation - the Alumni Network Showcase (ANS):** Tuesday, October 6, 15:15.
 6. Focus on the exams from other courses: weeks 42 and 43.
 7. **Discuss** learning goals after ANS: Tuesday, October 26, 10:15.
 8. **Agile meeting for Sprint 3:** Monday, November 2, 10:15.
 9. **Agile meeting for Sprint 4:** Monday, November 9, 10:15.
 10. **Hands-on Agile Meeting - Stockholm Arena Showcase (SAS):** Friday, November 13, 8:00 - 12:00. Mixed online and restricted physical.
 11. **Discuss** learning goals after SAS: Monday, November 16, 10:15.
 12. **Agile meeting for Sprint 5:** Monday, November 23, 10:15.

12. Agile meeting for Sprint 5: Monday, November 23, 10:15.












13. **Agile meeting for Sprint 6:** Monday, November 30, 10:15.

14. **Preparing Digital Open House:** Tuesday, December 8, 13:15.











15. **VIC Digital Open House:** Wednesday, December 16, 8:00 - 12:00. Mixed online and restricted physical.






Course Summary:

Date	Details	Due
Tue Aug 25, 2020	 AGI Meeting 1: Intro and syllabus (https://kth.instructure.com/calendar?event_id=197138&include_contexts=course_20606)	3pm to 5pm
Wed Aug 26, 2020	 AGI Meeting 2: Group Forming Fika (https://kth.instructure.com/calendar?event_id=197139&include_contexts=course_20606)	8am to 12pm
	 Project: 00. Preparing for Group Forming Fika (https://kth.instructure.com/courses/20606/assignments/127279)	due by 8am
Tue Sep 1, 2020	 AGI Meeting 3: Group Work (https://kth.instructure.com/calendar?event_id=197140&include_contexts=course_20606)	1pm to 3pm
Thu Sep 3, 2020	 AGI Meeting 4: Working on Proposals (https://kth.instructure.com/calendar?event_id=197141&include_contexts=course_20606)	1pm to 3pm
Tue Sep 8, 2020	 AGI Meeting 5: working on proposals (https://kth.instructure.com/calendar?event_id=197142&include_contexts=course_20606)	1pm to 3pm
Fri Sep 11, 2020	 AGI Meeting 6: Proposal Video (https://kth.instructure.com/calendar?event_id=197143&include_contexts=course_20606)	1pm to 3pm
	 Project: 01. Proposal Video & Slides (https://kth.instructure.com/courses/20606/assignments/127280)	due by 1:15pm

Date	Details	Due
Mon Sep 14, 2020	 Review: 02. Proposal Video Reviews (2 reviews) https://kth.instructure.com/courses/20606/assignments/127296	due by 11:55pm
	 AGI Meeting 7: Proposal Discussion https://kth.instructure.com/calendar?event_id=197144&include_contexts=course_20606	3pm to 5pm
Tue Sep 15, 2020	 Project: 02. Proposal Discussion https://kth.instructure.com/courses/20606/assignments/127281	due by 3:15pm
	 Project: Sharing Project Management https://kth.instructure.com/courses/20606/assignments/129983	due by 11:59pm
	 Project: 03. Agile Meeting Demo 1 + discussion https://kth.instructure.com/courses/20606/assignments/127282	due by 11:15am
Tue Sep 22, 2020	 AGI Meeting 8: Agile Meeting Demo 1 + discussion https://kth.instructure.com/calendar?event_id=197145&include_contexts=course_20606	1pm to 3pm
	 Review: 03. Review Demo 1 (2 reviews) https://kth.instructure.com/courses/20606/assignments/127297	due by 11:55pm
	 Project: 04. Agile Meeting Demo 2 + discussion https://kth.instructure.com/courses/20606/assignments/127283	due by 8:15am
Mon Sep 28, 2020	 AGI Meeting 9: Agile Meeting Demo 2 + discussion https://kth.instructure.com/calendar?event_id=197146&include_contexts=course_20606	10am to 12pm
	 Review: 04. Review Demo 2 (2 reviews) https://kth.instructure.com/courses/20606/assignments/127298	due by 11:55pm
Mon Oct 5, 2020	 Project: 05. Alumni Network Showcase https://kth.instructure.com/courses/20606/assignments/127284	due by 5pm

Date	Details	Due
Tue Oct 6, 2020	 AGI Meeting 10: Alumni Network Showcase https://kth.instructure.com/calendar?event_id=197147&include_contexts=course_20606	3pm to 5pm
Sat Oct 24, 2020	 Review: 05. Review Alumni Network Showcase (all) https://kth.instructure.com/courses/20606/assignments/127299	due by 11:55pm
Mon Oct 26, 2020	 AGI Meeting 11 https://kth.instructure.com/calendar?event_id=197148&include_contexts=course_20606	10am to 12pm
Mon Nov 2, 2020	 Project: 06. Agile Meeting Demo 3 + discussion https://kth.instructure.com/courses/20606/assignments/127285	due by 8:15am
Fri Nov 6, 2020	 AGI Meeting 12: Agile Meeting Demo 3 + discussion https://kth.instructure.com/calendar?event_id=197149&include_contexts=course_20606	10am to 12pm
Fri Nov 6, 2020	 Review: 06. Review Demo 3 (1 review) https://kth.instructure.com/courses/20606/assignments/127300	due by 4pm
Mon Nov 9, 2020	 Project: 07. Agile Meeting Demo 4 + discussion https://kth.instructure.com/courses/20606/assignments/127286	due by 8:15am
Mon Nov 9, 2020	 AGI Meeting 13: Agile Meeting Demo 4 + discussion https://kth.instructure.com/calendar?event_id=197150&include_contexts=course_20606	10am to 12pm
Fri Nov 13, 2020	 Review: 07. Review Demo 4 (1 review) https://kth.instructure.com/courses/20606/assignments/127301	due by 11:55pm
Fri Nov 13, 2020	 AGI Meeting 14: Stockholm Arena Showcase https://kth.instructure.com/calendar?event_id=197151&include_contexts=course_20606	8am to 12pm
Fri Nov 13, 2020	 Project: 08. Hands-on Agile Meeting https://kth.instructure.com/courses/20606/assignments/127287	due by 8am

Date	Details	Due
Mon Nov 16, 2020	 AGI Meeting 15: https://kth.instructure.com/calendar?event_id=197152&include_contexts=course_20606	10am to 12pm
Wed Nov 18, 2020	 Review: 08. Review Stockholm Arena Showcase (6) https://kth.instructure.com/courses/20606/assignments/127302	due by 11:55pm
Mon Nov 23, 2020	 Project: 09. Agile Meeting Demo 5 + discussion https://kth.instructure.com/courses/20606/assignments/127288	due by 8:15am
Mon Nov 23, 2020	 AGI Meeting 16: Agile Meeting Demo 5 + discussion https://kth.instructure.com/calendar?event_id=197153&include_contexts=course_20606	10am to 12pm
Mon Nov 23, 2020	 Review: 09. Review Demo 5 (1 review) https://kth.instructure.com/courses/20606/assignments/127303	due by 11:55pm
Mon Nov 23, 2020	 Project: 10. Agile Meeting Demo 6 + discussion https://kth.instructure.com/courses/20606/assignments/127289	due by 8:15am
Mon Nov 30, 2020	 AGI Meeting 17: Agile Meeting Demo 6 + discussion https://kth.instructure.com/calendar?event_id=197154&include_contexts=course_20606	10am to 12pm
Mon Nov 30, 2020	 Review: 10. Review Demo 6 (1 review) https://kth.instructure.com/courses/20606/assignments/127304	due by 11:55pm
Tue Dec 8, 2020	 AGI Meeting 18: https://kth.instructure.com/calendar?event_id=197155&include_contexts=course_20606	1pm to 3pm
Wed Dec 16, 2020	 AGI Final Presentation: VIC Digital Open House https://kth.instructure.com/calendar?event_id=197156&include_contexts=course_20606	8am to 12pm
Wed Dec 16, 2020	 Project: 11. VIC Final Presentations & Demos - The Digital Open House https://kth.instructure.com/courses/20606/assignments/127290	due by 8am

Date	Details	Due
Fri Dec 18, 2020	 Review: 11. Review VIC Online Open House (all) (https://kth.instructure.com/courses/20606/assignments/127305)	due by 11:55pm
	 Review: 01. Time Tracking (https://kth.instructure.com/courses/20606/assignments/127295)	due by 11:59pm
Mon Dec 21, 2020	 Project: 12. Project Web Page Final (https://kth.instructure.com/courses/20606/assignments/127294)	due by 5pm
Thu Jan 21, 2021	 Review: 12. Review Project Web Page (https://kth.instructure.com/courses/20606/assignments/127306)	due by 5pm
	 Grading of Group Review of Demos 3 and 4 (https://kth.instructure.com/courses/20606/assignments/143101)	