Experimental Models in Molecular Biomedicine
Academic Organization

	Monday	Tuesday	Wednesday	Thursday	Friday
First Week	Scientific Method		Experimental design		Models
Weeks 2-4-6-8-10-12-14-16	Preparatory lecture (Flipped)	Directed reading Book chapter, paper, review, ad hoc text	Seminar (Flipped)	Questionnaire Moodle	Workshop Teamwork Teacher tutored
Weeks 3-5-7-9-11-13-15-17	Workshop Teamwork Teacher tutored	Presentation in Moodle	Presentations 3 Teams		Presentations 3 Teams

Every model (8 in toto)

1 scientist (teacher)
2 weeks
4h F2F + 2h (optional, tutorial)

Team workload

at least 3h/week
at least 4 weeks (3 ECTS)
up to 16 weeks (6 ECTS)

Individual workload

≥ 3h/week, ≥ 5 weeks
1-2 weeks individual exam preparation/tutorial
2h exam + 1h oral presentation + individual feedback
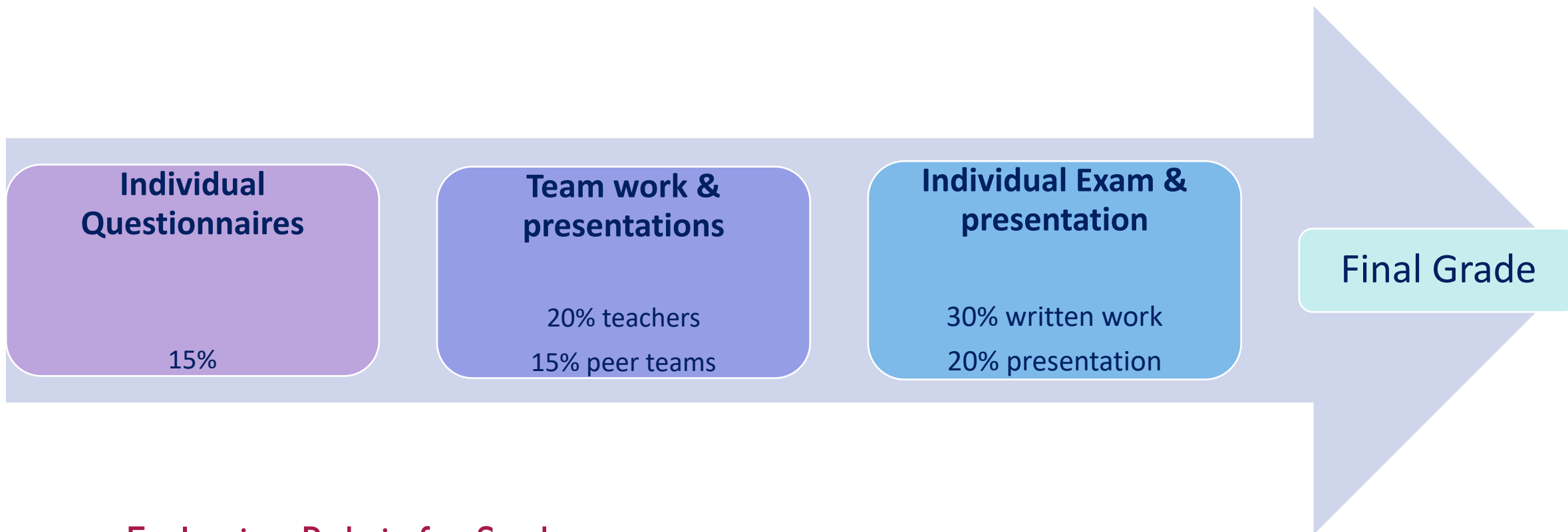
Face-to-Face Sessions Schedule

Week	Dates	Monday	wednesday	friday
1	Jan 30-Feb 3	Presentation	Scientific method	Experimental approaches
2	Feb 6 - 10	*Yeast*	*Yeast*	Yeast
3	Feb 13 - 17	Yeast	Yeast	Yeast
4	Feb 20 - 24	*Epitranscriptomics*	*Epitranscriptomics*	Epitranscriptomics
5	Feb 27-Mar 3	Epitranscriptomics	Epitranscriptomics	Epitranscriptomics
6	Mar 6 – 10	*Mouse models*	*Mouse models*	Mouse models
7	Mar 13 – 17	Mouse models	Mouse models	Mouse models
8	Mar 20 - 24	*Single Cell-NGS*	*Single Cell-NGS*	Single Cell-NGS
9	Mar 27 - 31	Single Cell-NGS	Single Cell-NGS	Single Cell-NGS
	Apr 3 – 7			
	Apr 10 – 14		*EASTER*	
	Apr 17 – 21			
10	Apr 24 – 28	*Cancer Immunity*	*Cancer Immunity*	Cancer Immunity
11	May 2 – 5	Cancer Immunity	Cancer Immunity	Cancer Immunity
12	May 8 – 12	*Adult Stem Cells*	*Adult Stem Cells*	Adult Stem Cells
13	May 15 – 19	Adult Stem Cells	Adult Stem Cells	Adult Stem Cells
14	May 22 – 26	*Angiogenesis*	*Angiogenesis*	Angiogenesis
15	May 29-Jun 2	Angiogenesis	Angiogenesis	Angiogenesis
16	Jun 5 – 9	*Human diseases*	*Human diseases*	Human diseases
17	Jun 12 – 16	Human diseases	Human diseases	Human diseases
18	Jul 3 - 7		Physical mobility	

Workshop sessions in *grey italics* are not compulsory but optional Q&A with teacher F2F

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Evaluation

Individual Questionnaires

15%

Team work & presentations

20% teachers

15% peer teams

Individual Exam & presentation

30% written work

20% presentation

Final Grade

Evaluation Rubric for Students
Evaluation Rubric for Teachers

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