

First meeting

Foundations of Gromov–Witten theory

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16 September 2025

Course website:

yannikschuler.github.io/FS26GWcourse/ 

General Information

Course website:

yannikschuler.github.io/FS26GWcourse/ 

References:

yannikschuler.github.io/assets/pdf/FS26_GW_course_talks.pdf 

Assignment of talks

#	Date	Topic	Speaker
1	24.09.	Riemann surfaces and Hurwitz numbers	Roland H.
2	01.10.	Intersection theory	Rivaldo C. M.
3	08.10.	Intersection theory on the moduli space of curves	
4	15.10.	Moduli space of genus zero stable maps	
5	22.10.	Moduli space of higher genus stable maps	
6	29.10.	Equivariant intersection theory and localisation	
7	05.11.	Localisation for stable maps to projective space	
8	12.11.	Relative stable maps and the ELSV formula	
9	19.11.	Hurwitz numbers and Fock space	
10	26.11.	The stationary Gromov-Witten theory of $\mathbb{P}^1$	
11	03.12.	The Gromov-Witten/Hurwitz correspondence	
12	10.12.		
13	17.12.		

Assignment of talks

Please tell me your preferences until tomorrow evening:



<https://forms.gle/3qoqnFV6qEUCR5BN7> 

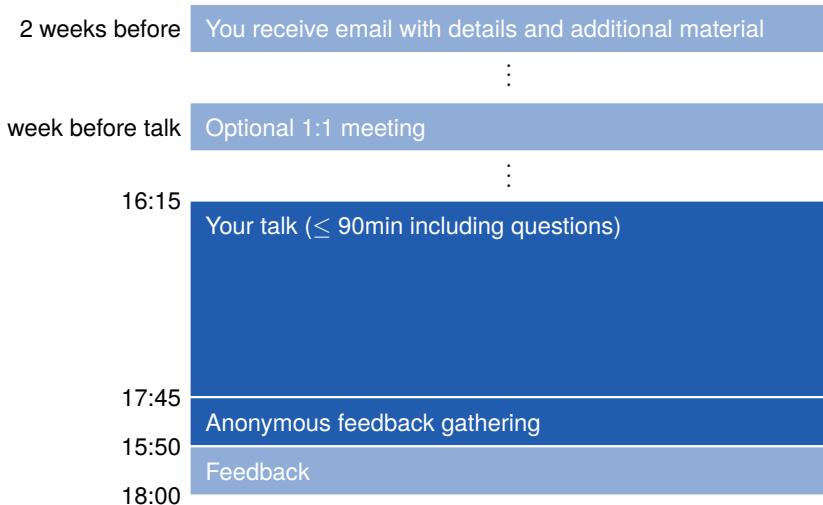
Results announced Tuesday next week!

Formalities: requirements to pass

In order to pass the seminar, you have to:

- **give a talk** from the list to the other participants
- **attend** (most of) the talks of the other participants

Presentations: Road map



Presentations

- $\boxed{\text{Talk}} = \boxed{\text{Introduction/Review}} + \boxed{\text{Main Part}} + \boxed{\text{Summary/Outlook}}$
- Focus on key ideas rather than small details
- State your main results early
- Small lies are okay (if you are honest about them)
- Add illustrating examples, sketches,...
- Time management $\rightarrow$ practise beforehand
- Notation $\rightarrow$ try to be consistent with earlier talks
- Encourage questions and interaction

I am looking forward to
an exciting seminar with you!