

Calendar of Activities

Last update: 2026-07-31

Lecture	Date	Topic	Readings	Problem-Sets Due
--	Aug-03	Welcome to New Students.	--	
--	Aug-05	No class: DCC Week.	--	
01	Aug-10	Introduction: An overview of Quantitative Information Flow.	--	Problem Set 0 - Discrete Probability (Supplemental material). This is an optional activity and can be turned in at any date until the first exam.
02	Aug-12	Introduction to QIF.	Chap. 1	
03	Aug-17	Modeling secrets.	Chap. 2	
04	Aug-19	On g-vulnerability.	Chap. 3	Problem Set A - Chap. 01 (Introduction to QIF).
05	Aug-24	On g-vulnerability.	Chap. 3	
06	Aug-26	Channels.	Chap. 4	
07	Aug-31	Channels.	Chap. 4	Problem Set B - Chap. 02/03 (Modeling secrets / On g-vulnerability).
08	Sep-02	Posterior vulnerability and leakage.	Chap. 5	
--	Sep-07	Holiday: "Independência do Brasil".	--	
09	Sep-09	Posterior vulnerability and leakage.	Chap. 5	Problem Set C - Chap. 04 (Channels).
10	Sep-14	Posterior vulnerability and leakage.	Chap. 5	
11	Sep-16	Spare class. / Review.	--	
12	Sep-21	First exam.	--	Problem Set D - Chap. 05 (Posterior vulnerability and leakage).
13	Sep-23	Robustness. / Capacity.	Chap. 6 / 7	
14	Sep-28	Capacity.	Chap. 7	
15	Sep-30	Composition of channels.	Chap. 8	Problem Set E - Chap. 06/07 (Robustness / Capacity).
16	Oct-05	Composition of channels. / Instructions about the seminar.	Chap. 8	
17	Oct-07	Refinement.	Chap. 9	Problem Set F - Chap. 08 (Composition of channels).
--	Oct-12	Holiday: "Nossa Senhora Aparecida".	--	
18	Oct-14	Refinement.	Chap. 9	
19	Oct-19	Discussion about the seminar.	--	
20	Oct-21	The Dalenius perspective.	Chap. 10	
21	Oct-26	The Dalenius perspective.	Chap. 10	
--	Oct-28	Holiday: "Dia do servidor público e comemoração do dia do professor".	--	
--	Nov-02	Holiday: "Finados".	--	
22	Nov-04	Axiomatics.	Chap. 11	Problem Set G - Chap. 09/10 (Refinement / The Dalenius perspective).
23	Nov-09	Applications: The Crowds Protocol.	Chap. 18	
24	Nov-11	Applications: The Crowds Protocol.	Chap. 18	
25	Nov-16	Spare class. / Review.	--	
26	Nov-18	Second exam.	--	Problem Set H - Chap. 11/18 (Axiomatics / The Crowds Protocol).
27	Nov-23	Seminars.	--	
28	Nov-25	Seminars.	--	
29	Nov-30	Make-up exam.	--	
--	Dec-02	No class: Preparation for the special exam.	--	
30	Dec-07	Special exam.	--	