1 This page lists the days of class and associated topics topics thhat we will cover on those days. If there is no topic on a day it might happen that the exam preparation is listed. I might update this only a few days in advance.

2 Class schedule

2.1 *<2020-01-07 Tue 09:30>* Introduction `./lectures/00-intro.org`

2.2 *<2020-01-09 Thu 09:30>* Python/Jupyter `./lectures/01-jupyter.org`

2.3 *<2020-01-14 Tue 09:30>* Mathematical modelling `./lectures/01-modelling.org`

2.4 *<2020-01-16 Thu 09:30>* First principle modelling `./lectures/02-modelling.org`

2.5 *<2020-01-21 Tue 09:30>* Integration of models given by first order ordinary differential equations and numerical integration `./lectures/03-fode-1.org`

2.6 *<2020-01-23 Thu 09:30>* Systems of first-order differential equations `./lectures/04-fode-2.org`

2.7 *<2020-01-28 Tue 09:30>* Linear systems `./lectures/05-Lin-1.org`

2.8 *<2020-01-30 Thu 09:30>* Basic Models in Chemical Engineering `./lectures/06-Lin-2.org`

2.9 *<2020-02-04 Tue 09:30>* Preparation Exam

2.10 *<2020-02-06 Thu 09:30>* Exam I

2.11 *<2020-02-11 Tue 09:30>* Continuous and discrete models and representation `./lectures/07-Cont-Discr-1.org`

2.12 *<2020-02-13 Thu 09:30>* Time delay systems `./lectures/07-Cont-Discr-2.org`

2.13 *<2020-02-18 Tue 09:30>* Reading Week

2.14 *<2020-02-20 Thu 09:30>* Reading week

2.15 *<2020-02-25 Tue 09:30>* Transfer function models `./lectures/08-Transfer-function-01.org`

2.16 *<2020-02-27 Thu 09:30>* Transfer function link to State Space `./lectures/08-Transfer_function-02.org`

2.17 *<2020-03-03 Tue 09:30>* Mathematical model propertiese, controllability and observability `./lectures/`