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| Week | Session | Subject | Assigned reading (to be done before class) | Homework assigned | Homework due | Student presentation topic (15 min) | Volunteer |
| 1 (March 25) | Lecture | Stochastic processes and Generalized Linear models | Chap-1 | HW1 |  | NA | NA |
|  | Lab | Generalized linear mixed models | Chap-2 |  |  | NA | NA |
| 2 (April 1) | Lecture | Univariate state-space models | Chap-3 | HW2 | HW1 | Chap-3 core ideas |  |
|  | Lab |  |  |  |  | NA |  |
| 3 (April 8) | Lecture | Multivariate state-space models | Chap-4 | Project idea | HW2 | Chap-4 core ideas |  |
|  | Lab |  |  |  |  | NA |  |
| 4 (April 15) | Lecture |  |  |  |  |  |  |
|  | Lab |  |  |  |  |  |  |
| 5 (April 22) | Lecture | Spatial models | Chap-5 | HW3 | Project idea | Chap-5 core ideas |  |
|  | Lab |  |  |  |  | NA |  |
| 6 (April 29) | Lecture | Sampling designs | Chap-6 | HW4 | HW3 | Chap-6 core ideas |  |
|  | Lab |  |  |  |  | NA |  |
| 7 (May 6) | Lecture | Covariates | Chap-7 | Written project update | HW4 | Chap-7 core ideas |  |
|  | Lab |  |  |  |  | NA |  |
| 8 (May 13) | Lecture | Spatio-temporal models | Chap-8 | Final project | Written project update | Chap-8 core ideas |  |
|  | Lab | Teleconnections | Chap-9 |  |  | Chap-9 core ideas |  |
| 9 (May 20) | Lecture | Eulerian movement | Chap-10 |  |  | Chap-10 core ideas |  |
|  | Lab |  |  |  |  | NA |  |
| 10 (May 27) | Lecture | Multivariate spatial models | Chap-11 |  |  | Chap-11 core ideas |  |
|  | Lab |  |  |  |  | NA |  |
| Finals | TBD |  |  |  | Projects | NA | NA |