

Course Plan:

Adv. Macro: Heterogeneous Agent Models

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I. Computational techniques

- **Lecture 1. Introduction** (JD)

Additional material: [Heathcote et al. \(2009\)](#); [Kaplan and Violante \(2018\)](#); [Cherrier et al. \(2023\)](#)

- **Lecture 2. Stationary equilibrium** (JD)

Required reading: [Aiyagari \(1994\)](#)

Additional material: Nothing

- **Lecture 3. Transition path** (JD)

Required reading: Documentation for [GEModelTools](#) (*except on linearized solution and simulation*)

Additional material: [Auclert et al. \(2021a\)](#), [Kirkby \(2017\)](#), [Boppart et al. \(2018\)](#)

- **Lecture 4. Assignment Workshop I** (JR)

II. Applications without pricing frictions

- **Lecture 5. Consumption-saving models** (PM)

Required reading: [Kaplan and Violante \(2014\)](#)

Additional material: [Harmenberg and Oberg \(2021\)](#); [Kaplan and Violante \(2022\)](#)

- **Lecture 6. Deviations from full rationality** (PM)

Required reading: [Carroll et al. \(2020\)](#)

Additional material: [Attanasio et al. \(2020\)](#)

- **Lecture 7. Wealth inequality** (PM)

Required reading: [Hubmer et al. \(2021\)](#)

Additional material: [De Nardi and Fella \(2017\)](#)

- **Lecture 8. Housing wealth (PM)**
Required reading: [Sommer and Sullivan \(2018\)](#)
Additional material: Nothing
- **Lecture 9. Demographics and global imbalances (PM)**
Required reading: [Auclert et al. \(2021b\)](#)
Additional material: [Mian et al. \(2021\)](#)
- **Lecture 10. Assignment Workshop II (JR)**

III. Applications with pricing frictions

- **Lecture 11. Introducing HANK (JD)**

Required reading: Documentation for [GEModelTools](#)

Additional material: [Auclert et al. \(2021a\)](#)

- **Lecture 12. More on HANK (JD)**

Required reading: [Auclert et al. \(2023b\)](#)

Additional material: [Werning \(2015\)](#); [McKay and Reis \(2016\)](#); [Kaplan et al. \(2018\)](#); [Hagedorn et al. \(2019\)](#); [Bayer et al. \(2019\)](#); [Broer et al. \(2020\)](#); [Alves et al. \(2020\)](#); [Auclert et al. \(2020\)](#)

- **Lecture 13. I-HANK (JD)**

Required reading: [Druehl et al. \(2022\)](#)

Additional material: [Auclert et al. \(2021c\)](#)

- **Lecture 14a. HANK-SAM (JD)**

Required reading: [Broer et al. \(2022\)](#)

Additional material: [Den Haan et al. \(2018\)](#); [Ravn and Sterk \(2021\)](#); [Bardóczy and Guerreiro \(2023\)](#)

Conclusion

- **Lecture 14b. Exam preparation (JD)**

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