Course Plan:
Adv. Macro: Heterogeneous Agent Models

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1   Computational techniques

- **Lecture 1. Introduction**
  Required reading: None
  Additional material: Heathcote et al. (2009); Kaplan and Violante (2018); Cherrier et al. (2023)
  Recap on dynamic programming and associated numerical methods: See the lecture "3 - Dynamic optimization" in the course Introduction to Programming and Numerical Analysis

- **Lecture 2. Consumption-saving**
  Required reading: Kaplan and Violante (2014)
  Additional material: Harmenberg and Öberg (2021); Kaplan and Violante (2022);

- **Lecture 3. Stationary equilibrium**
  Required reading: Aiyagari (1994)
  Additional material:

- **Lecture 4. Transition path**
  Required reading: Documentation for GEModelTools (*except on linearized solution and simulation*)
  Additional material: Auclert et al. (2021a); Kirkby (2017)

- **Lecture 5. Assignment Workshop I**

2   Applications without pricing frictions

- **Lecture 6. Wealth Inequality**
  Required reading: Hubmer et al. (2021)
  Additional material: De Nardi and Fella (2017); Guvenen et al. (2023); Ozkan et al. (2023);

- **Lecture 7. Secular Stagnation**
  Required reading: Auclert et al. (2021b)
  Additional material: Straub (2019); Mian et al. (2021)

3   Applications with pricing frictions

- **Lecture 8. Introducing HANK**
  Required reading: Documentation for GEModelTools

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Additional material: Auclert et al. (2021a); Boppart et al. (2018)

Recap on the standard New-Keynesian model: Azzimonti et al. (2024) (link), chapter 16 or Galí (2015), chapters 3-4

- **Lecture 9. Fiscal Policy in HANK models**
  Required reading: Auclert et al. (2023)
  Additional material: McKay and Reis (2016); Hagedorn et al. (2019); Bayer et al. (2019); Angeletos et al. (2024)

- **Lecture 10. Assignment Workshop II**
  Required reading:
  Additional material:

- **Lecture 11. Monetary Policy in HANK models**
  Required reading: Kaplan et al. (2018);
  Additional material: Werning (2015); Bayer et al. (2019); Alves et al. (2020); Auclert et al. (2020)

- **Lecture 12. I-HANK**
  Required reading: Druedahl et al. (2024b)
  Additional material: Auclert et al. (2024), Druedahl et al. (2024a), De Ferra et al. (2020)

- **Lecture 13. Advanced HANK topics**
  Required reading:
  Additional material: Auclert et al. (2020); Maxted et al. (2024); Davila and Schaab (2023); McKay and Wolf (2023)

- **Lecture 14a. HANK-SAM**
  Required reading: Broer et al. (2024)
  Additional material: Ravn and Sterk (2021); Bardóczy and Guerreiro (2023)

4   Conclusion

- Lecture 14b. Exam preparation

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