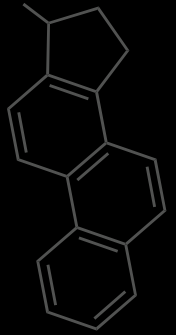


PHIL 486 *of the* Methodologies SCIENCES



*S*cience is chock full with **miraculous** predictions, **shocking** revolutions, and utterly **strange** results few science fiction writers could have ever dreamed of. Why is that? **What makes science so special?** This course aims to answer that question, through a tour of the methodologies and **philosophical underpinnings** that make modern science work.



a few questions
that will be answered in this class

- Do **thought experiments** transcend empirical ones?
- What is the **logical structure** of confirmation by experiment?
- Are there unobservable entities like **quarks** and electrons?
- What is a **law of nature** and when do we have them?
- How are **causes** connected to their **effects**?



USC University of
Southern California