

1. *Population growth and economic development in the United States, 1870–1910: a spatial analysis*. By David L. Sarti. Cambridge, MA: MIT Press, 2006. Pp. xvii + 370.
2. *The rise of the American city: urbanization in the twentieth century*. By Robert E. Rydell. Cambridge, MA: MIT Press, 2007. Pp. xii + 290.

\*\* The grade a course credit is based on the student's individual achievement  
or her grade. Written work is graded mainly on content and organization, while  
oral presentation is graded mainly on delivery.

### Written Work

#### Written Work

## PROPOSED CHANGES PLEDGED

(CLIMATE CHANGE TOPICS TO BE EXPANDED)

### GLOBAL WARMING

Global warming is a significant environmental issue that has gained widespread attention in recent years. It refers to the long-term increase in Earth's average surface temperature, primarily driven by human activities such as burning fossil fuels and deforestation. The effects of global warming are far-reaching, including melting ice caps, rising sea levels, more frequent extreme weather events, and changes in ecosystems.

Understanding the mechanisms behind global warming is crucial for developing effective mitigation and adaptation strategies. This course aims to provide a comprehensive overview of the science, impacts, and policy responses to this pressing issue. By the end of the course, students will have a solid understanding of the causes of global warming, its consequences, and the steps we can take to address it.

The course will cover various topics related to global warming, including:

- The greenhouse effect and its role in Earth's climate system.
- The historical record of Earth's climate and its relationship to current warming.
- The scientific consensus on human-caused global warming.
- The impact of global warming on different regions and ecosystems.
- Policy options for reducing greenhouse gas emissions and adapting to climate change.
- The role of renewable energy sources in combating global warming.

Throughout the course, students will engage in discussions, readings, and assignments to deepen their understanding of this complex topic. By the time you finish this course, you will become both a better informed citizen and a more effective advocate for environmental action.

## PROPOSAL: STORIES IN RED

Dear Sir or Madam, I am writing to you to propose a new series of short stories, which I have entitled "Stories in Red". These stories will be aimed at a wide audience, from young children to adults, and will cover a variety of topics, including history, science, and literature. The stories will be written in a simple, accessible language, and will be accompanied by illustrations and photographs. I believe that this series will be a valuable addition to your library, and will provide a great deal of entertainment and education for all who read it.

### Why Stories in Red?

The title "Stories in Red" is a reference to the color red, which is often associated with passion, energy, and excitement. I believe that the use of red in the title will attract a wide range of readers, from those who are interested in history and science to those who are interested in literature and art. The stories will be written in a simple, accessible language, and will be accompanied by illustrations and photographs. I believe that this series will be a valuable addition to your library, and will provide a great deal of entertainment and education for all who read it.

### Reading Expectations

You are expected to do the following before they are covered in class: Come prepared to discuss the story in class, and bring any relevant sources to class.

Source(s) of (1) a newspaper or magazine article that

you will write a critique on a paper

and (2) a book or article that you will write a summary on.

and (3) a book or article that you will write a critique on a paper

and (4) a book or article that you will write a summary on.

and (5) a book or article that you will write a critique on a paper

and (6) a book or article that you will write a summary on.

and (7) a book or article that you will write a critique on a paper

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and (40) a book or article that you will write a summary on.

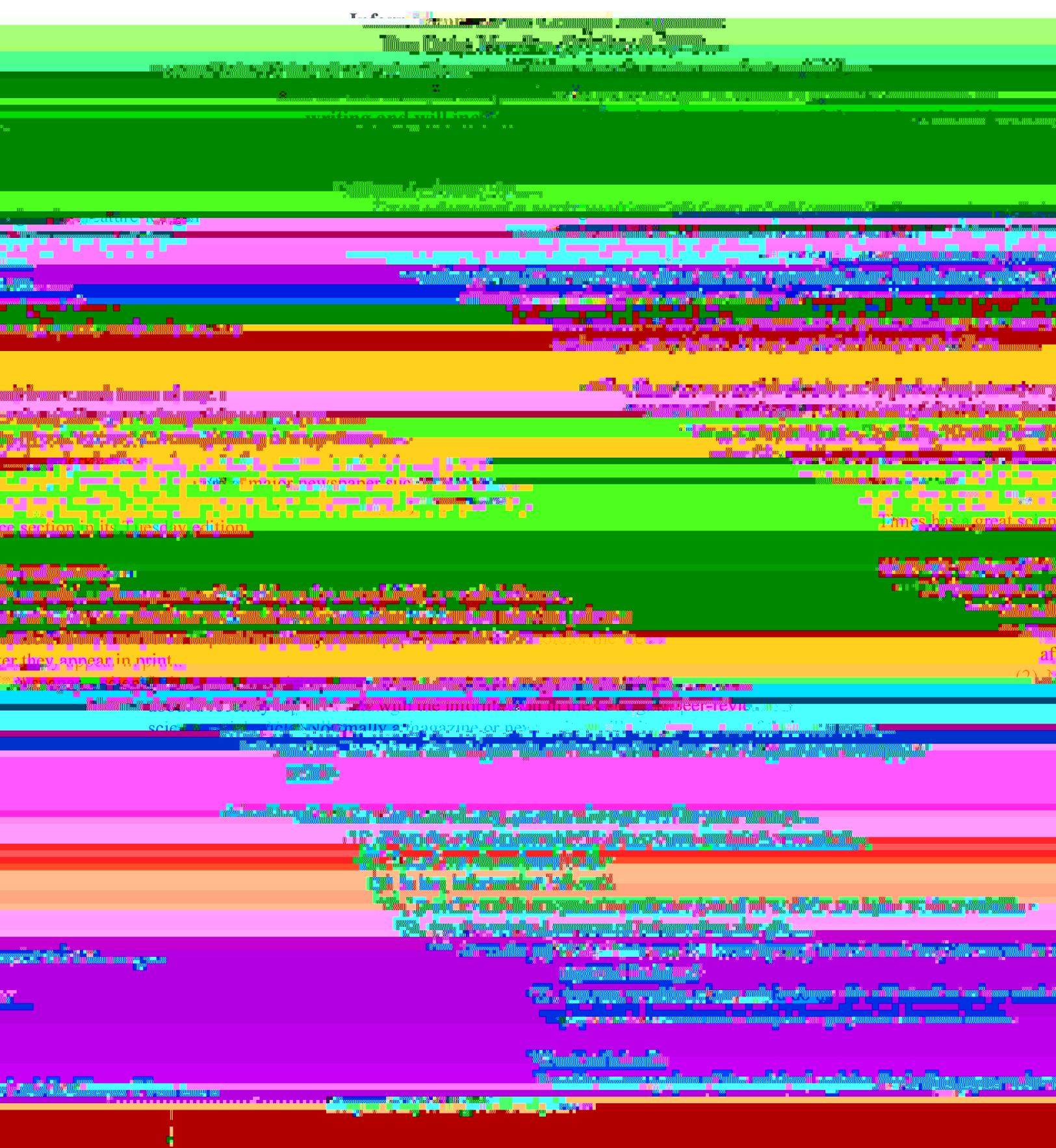
and (41) a book or article that you will write a critique on a paper

## **PROPOSED CHANGES IN RED (CLIMATE CHANGE TOPICS TO BE EXPANDED)**

### **Disability Services**

Proposed Change	Current Description	Proposed Description	Notes
1. Climate Change Impact on People with Disabilities	Climate change is a complex issue that affects all people, but it can have particularly severe impacts on individuals with disabilities. This topic will explore how climate change can exacerbate existing challenges faced by people with disabilities, such as limited mobility or sensory impairments, and how these challenges can be addressed through accessible infrastructure and support services.	Climate change is a complex issue that affects all people, but it can have particularly severe impacts on individuals with disabilities. This topic will explore how climate change can exacerbate existing challenges faced by people with disabilities, such as limited mobility or sensory impairments, and how these challenges can be addressed through accessible infrastructure and support services.	Includes a discussion of the impact of climate change on people with disabilities, including those with physical, cognitive, and sensory impairments. It will also cover how climate change can affect people with disabilities in their daily lives, such as navigating public spaces during extreme weather events.
2. Adaptation and Mitigation Strategies for People with Disabilities	Adaptation and mitigation strategies for people with disabilities will focus on how to make communities more accessible and inclusive for individuals with disabilities during climate change. This includes developing accessible emergency preparedness plans, creating accessible infrastructure like ramps and elevators, and providing accessible information and resources for people with disabilities.	Adaptation and mitigation strategies for people with disabilities will focus on how to make communities more accessible and inclusive for individuals with disabilities during climate change. This includes developing accessible emergency preparedness plans, creating accessible infrastructure like ramps and elevators, and providing accessible information and resources for people with disabilities.	Includes a discussion of the importance of accessible infrastructure and support services for people with disabilities during climate change. It will also cover how to involve people with disabilities in decision-making processes related to climate change adaptation and mitigation.
3. Climate Justice and Disparities	Climate justice and disparities will examine how climate change disproportionately affects marginalized communities, including people with disabilities. This topic will explore the historical and systemic causes of these disparities and discuss how to address them through policy changes and community engagement.	Climate justice and disparities will examine how climate change disproportionately affects marginalized communities, including people with disabilities. This topic will explore the historical and systemic causes of these disparities and discuss how to address them through policy changes and community engagement.	Includes a discussion of the intersection of disability, race, and ethnicity in climate change. It will also cover how to ensure that climate change policies are equitable and benefit all members of society.
4. Research and Monitoring	Research and monitoring will involve tracking the impact of climate change on people with disabilities and developing new knowledge through research. This includes monitoring trends in disability rates and accessibility levels, and conducting studies to understand the unique needs of people with disabilities in different climate contexts.	Research and monitoring will involve tracking the impact of climate change on people with disabilities and developing new knowledge through research. This includes monitoring trends in disability rates and accessibility levels, and conducting studies to understand the unique needs of people with disabilities in different climate contexts.	Includes a discussion of the methods used to study the impact of climate change on people with disabilities. It will also cover how to use research findings to inform policy and practice.





### The Journal of Neuroscience

This journal publishes original research papers in all areas of neuroscience. It is the most widely cited journal in the field.

### Journal of Cell Biology

This journal publishes research papers in all areas of cell biology.

### Journal of Molecular Biology

This journal publishes research papers in all areas of molecular biology.

### Journal of Cell Biology

This journal publishes research papers in all areas of cell biology.

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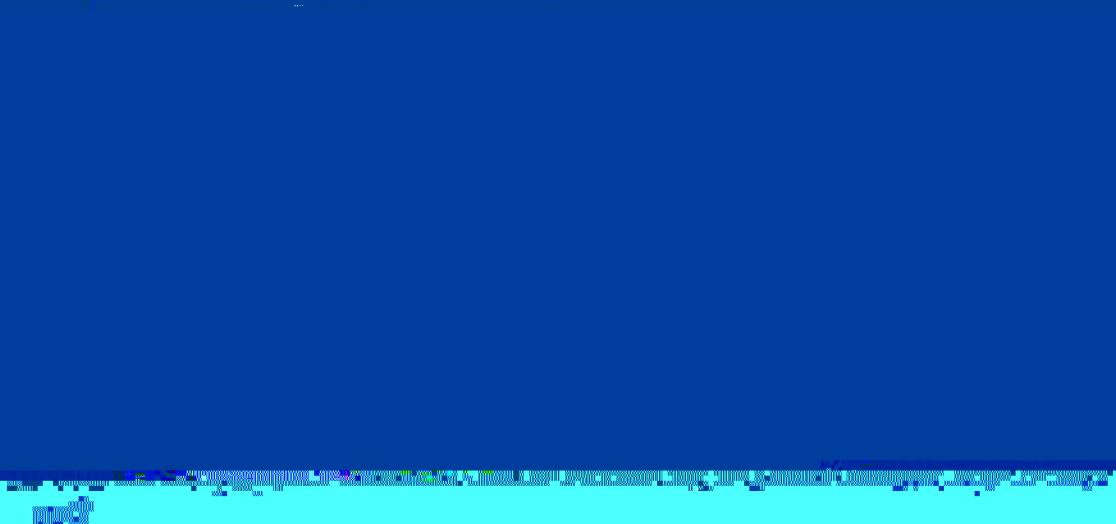
### Journal of Molecular Biology

This journal publishes research papers in all areas of molecular biology.

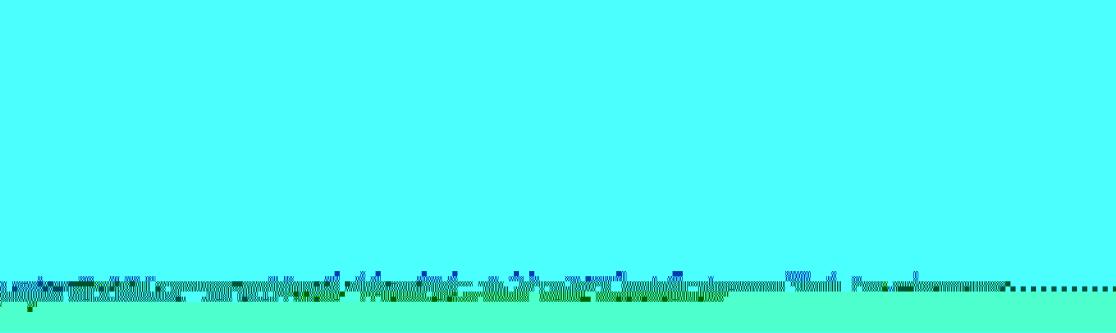
## Plant functional groups, fire regime, and tree regeneration patterns

Plant functional groups (PFGs) are widely used to predict vegetation dynamics. However, PFGs have been shown to be unreliable for predicting tree regeneration patterns. This study examined the relationship between PFGs, fire regime, and tree regeneration patterns in a temperate forest system. We used a hierarchical approach to identify PFGs and examined their relationship with tree regeneration patterns. We found that PFGs were not reliable for predicting tree regeneration patterns. Instead, we found that tree regeneration patterns were best explained by fire regime and PFGs. We also found that PFGs were not reliable for predicting tree regeneration patterns. Instead, we found that tree regeneration patterns were best explained by fire regime and PFGs.

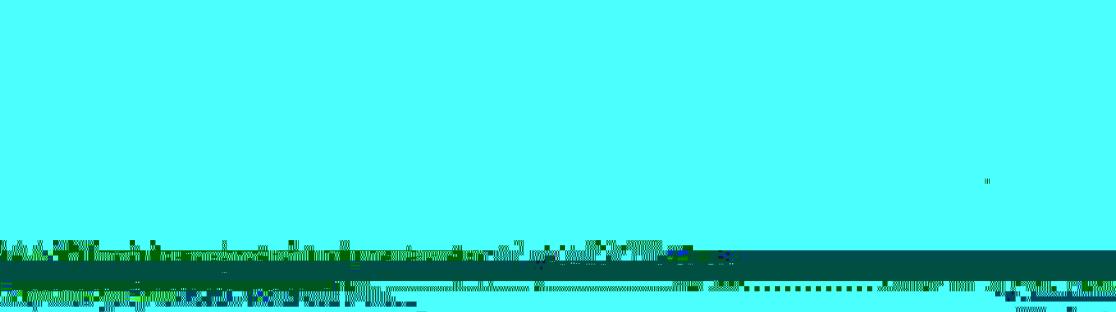
## 2. a. Drosophila



## 2. b. Human



## 2. c. Mouse



Long Q. Rhythm.

C2 = 4. A conventional view is that a positive value of C2 indicates that the system is stable, while a negative value indicates instability. However, this is not always true. For example, if the system has a time delay, a positive value of C2 can still result in instability. This is because the system's behavior depends not only on its current state, but also on its past states. In other words, the system's future behavior depends on its past behavior. This is known as a "non-local" or "non-causal" effect.

In general, the stability of a system depends on many factors, including the system's parameters, the initial conditions, and the presence of external disturbances. Therefore, it is important to carefully analyze the system's behavior to determine its stability.

6. In the year 1200 (approximately) the Chinese invented gunpowder.

7. The first printed book was the Diamond Sutra.

8. The first printing press was invented by Johannes Gutenberg.

9. The first steam engine was invented by James Watt.

10. The first telephone was invented by Alexander Graham Bell.

11. The first television was invented by Philo Farnsworth.

12. The first computer was invented by Charles Babbage.

13. The first mobile phone was invented by Martin Cooper.

14. The first computer mouse was invented by Douglas Engelbart.

15. The first computer virus was invented by Morris W. Roberts.

16. The first computer network was invented by Vint Cerf and Bob Kahn.

17. The first computer game was Spacewar!.

18. The first computer program was written by Ada Lovelace.

19. The first computer virus was invented by Fred Cohen.

20. The first computer virus was invented by W. Brian Schell.

21. The first computer virus was invented by Robert T. Morris.

22. The first computer virus was invented by Steve Jobs.

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8. List 4 of the major forcing factors (other than changes in the Sun) that influence the Earth's climate.

Volcanic eruptions and ocean circulation patterns both influence the Earth's climate.



