ID teaching resources

Movie possibilities:

* I am Legend, 28 Days Later
* Resident Evil, Shaun of the Dead
* 12 Monkeys, the crazies
* andromeda strain, contagion
* outbreak, pandemic, perfect sense

Books for ID/Modeling classes:

**Mark Kot: Elements of Mathematical ecology**

**Leah Edelstein-Keshet: "Mathematical Models in Biology"**

**J. D. Murray: Mathematical biology I & II \\**

**Brauer & Castillo-Chavez: Mathematical Models in Population Biology & Epidemiology \\**

**Okubo & Levin: Diffusion & Ecological Problems \\**

**Hoppenstaedt & Peskin: Modeling and Simulation in Medicine and Life Science**

**Elizabeth S. Allman (Author), John A. Rhodes: "Mathematical Models in Biology: An Introduction"**

**Troy Day and Sarah Otto**

**Pej Rohani and Matt Keeling**

**Anderson and May “Infectious Diseases of Humans: Dynamics and Control” 1991, Oxford U Press**

**Grenfell and Dobson (eds.) “Ecology of Infectious Diseases in Natural Populations”, Cambridge U Press**

**Nowak and May “Virus Dynamics” Oxford U Press**

Diekmann and Hesterbeek, Mathematical Epidemiology of Infectious Diseases, Wiley

Heesterbeek (ed.), Mathematical Modeling of Population Dynamics, Banach Center Publications

Dieckmann, Metz, Sabelis, Sigmund (Eds.), Adaptive Dynamics of Infectious Diseases: virulence Management, Cambridge U Press

Dynamic Modeling of Diseases and Pests by Bruce Hannon, Matthias Ruth (Author)