Part I - Lecture topic

Sept 5  Introduction to the cellular stress response
Sept 12 Molecular features of the heat shock (stress) response
Sept 19 Heat shock transcription factors
Sept 26 Protective effects of heat shock proteins
Oct 3  Heat shock proteins and neurodegenerative diseases
Oct 10 Reading Week- No Lecture
Oct 17 Midterm exam

Part II-

Oct 24 Potential therapeutic agents that up-regulate Hsps
Oct 31 Neurodegenerative diseases are ‘protein misfolding disorders’
Nov 7 Localization of heat shock proteins: targeting to cellular organelles
Nov 14 No lecture
Nov 21 Modulation of neurodegeneration by molecular chaperones
Nov 28 Role of heat shock proteins in aging and resistance to oxidative stress

Midterm exam- 50%

Final exam- 50% (held during final exam period)