AS lecture 3.1 - Cybernetics

- Intro into cybernetics
- it will continually crop up throughout the course

Cybernetics recognises how many systems neg feedback can be applied to

Everything on this module is influenced by cybernetics

like AS, it is cross disciplined

Cybernetics led to AI & Robotics, control theory, Systems thinking, Mang science, Info theory, Arity (ell), neural network

Norbert weiner = father of cybernetics
- named it, Book

Weiner → Bigelow → Rosenblueth

1943, Rosenblueth, Wiener; Behaviour, Purpose & tedebogy

Attempt to provide a Behaviouristic to account of what is means to have a purpose

"All purp behaviour may be consides to require negative feedback"

"A uniform behaviouristic Analysis is applicable to both machines & living organisms, regarless of the complexity of the behaviour"

Neural Networks - created by warren McCullogh & walter pitts
"A logical calculus of the ideas immanent in nervous activity"

William Ross Ashby
- Adaptive systems
- lectures about later