

# MEDICAL BOTANY



BIOL 472.05 – Ethnobotany – Economic Botany Seminar, Spring 2018

## INTRODUCTION

- Yew (*Taxus*)
- Taxol
- Anticancer
- Poisonous



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## INTRODUCTION

- Poppy (*Papaver*)
- Opium (morphine, codeine)
- Narcotic, pain relief



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## INTRODUCTION

- Willow (*Salix*)
- Salicylic acid, Salicin (aspirin)
- Pain relief, Stroke risk reducer



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### INTRODUCTION

- Hemp (*Cannabis*)
- THC, Cannabinoids
- Nausea, Seizure disorders



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### INTRODUCTION

- Coca (*Erythroxylum coca*)
- Cocaine, Mate de Coca
- Soda stimulant (Coca-cola),  
Topical analgesic



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### INTRODUCTION

- Foxglove (*Digitalis*)
- Digitoxin, Digoxin
- Treats congestive heart failure
- Poisonous



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### INTRODUCTION

- Various plants
- Cough suppressant,  
Topical analgesic



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### INTRODUCTION

- Peruvian Bark (*Cinchona*)
- Quinine
- Tonic water, Antimalarial




A LOCAL RELATIVE OF PERUVIAN BARK




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### INTRODUCTION

- Buttonbush (*Cephalanthus*)
- Herbal remedy
- Antifebrile, antimalarial antiinflammatory




A LOCAL RELATIVE OF PERUVIAN BARK




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### INTRODUCTION

- Mayapple (*Podophyllum*)
- Herbal remedy, Podophyllin
- Emetic, Laxative, Anticancer in recent years
- Poisonous



A LOCAL PLANT



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### INTRODUCTION

- Plantain (*Plantago*)
- Herbal remedy
- Poultice treatment of wounds, bites & stings, topical analgesic
- Seeds (psyllium) a laxative





A LOCAL PLANT



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