

Chemistry and Medicinal Use of Drugs of Abuse

Schedule:

Week 1: Classification of Drugs of Abuse: Discussion of the definition of illicit drugs, classification based on mechanism of action, chemical structure, and origin.

Week 2: Designer Drugs: Definition, legal status, and synthetic production methods.

Week 3: Synthetic Drugs of Abuse: Types, production, legal status, and medicinal applications.

Week 4: Cannabis: Use, active compounds, pharmacological effects, side effects, and medicinal applications.

Week 5: THC: Structure, mechanism of action, and medicinal applications.

Week 6: Opium: Processing of poppy, extraction, effects, uses, composition, morphine extraction.

Week 7: Morphine: Synthesis of derivatives, pharmacological effects, medicinal applications.

Week 8: Heroin: Production from morphine, effects, methods of use and abuse.

Week 9: Treatment of Opioid Addiction: Detoxification and substitution therapies.

Week 10: Coca Plant: Use, processing, and cocaine extraction.

Week 11: Cocaine: Methods of use, purification, conversion, effects, medical application.

Week 12: Psychedelic Drugs: Psilocybin, mescaline; usage, effects, medicinal potential.

Week 13: LSD: Synthesis, effects, methods of use, therapeutic potential.

Week 14: Other Drugs of Abuse: Readily accessible psychoactive substances and their effects.