**NROSCI 1200/2200**

**Course Schedule – Fall 2019**

**Date Topic**

Aug. 26 Introduction – in class survey of opinions regarding drug use, abuse and

 treatment.

Aug. 28 Review of neuroanatomy / neurophysiology

**Sept. 2 No Class – Labor Day**

Sept. 4 Chemical signaling: neurotransmitters

Sept. 9 Animal models of addiction

Sept. 11 Anatomy of the reward pathway / addiction – Paper 1 discussion

Sept. 16 Pharmacokinetics / principles of pharmacology / dose-response curves

 **Quiz 1 due**

Sept. 18 Tolerance, dependence and withdrawal – paper 2 discussion

(Friday, 9/20) **Quiz 2 due**

Sept. 23 **EXAM 1**

Sept. 25Subjective aspects of drug use: craving and intoxication

Sept. 30 Stimulants; cocaine and amphetamine

Oct. 2 cocaine and amphetamine (part 2) – paper 3 discussion

**Oct. 7** Other stimulants: nicotine and caffeine

 **Quiz 3 due**

**Oct. 9** Other stimulants: nicotine and caffeine – paper 4 discussion

Oct. 14 Alcoholism – factors and treatment

 **Quiz 4 due**

Oct. 16 **EXAM 2**

Oct. 21 Opioids & pain management

Oct. 23 Opioids: addiction and treatments – paper 5 discussion

Oct. 28 The opioid epidemic

 **Quiz 5 due**

**Oct. 30**  **Paper 6 discussion**

Nov. 4 Marijuana – the details

 **Quiz 6 due**

Nov. 6 **Exam 3**

Nov. 11 Psychedelics – not the usual high

Nov. 13 Sedative-Hypnotic and Anxiolytic Drugs – paper 7 discussion

Nov. 18 Pharmacological and non-pharmacological treatment of drug abuse and

 addiction

 **Quiz 7 due**

Nov. 20Current drug policy / advocacy in addiction – paper 8 discussion

Nov. 25 **NO CLASS (Thanksgiving break)**

**Nov. 27** **NO CLASS (Thanksgiving break)**

Dec. 2 **TBD**

Dec. 4 **TBD**

 **Quiz 8 due**

**Dec 11 (Wednesday) 4:00 – 5:50 PM Exam 4**

**(note that exam 4 is during finals week)**

***\*\*\*The exam dates (including the date of the final exam) are firm!! If we get ahead, or behind in material, it will not change the dates of the exams, although it may change what material is covered on that exam. I will always announce and be clear about what information is covered on each exam***