Psychiatric Disorders and Brain Function

Neuroscience 1030 – 2020

Dr. Anthony A. Grace

Time: Tuesday, Thursday 1:00 - 2:20 Telephone: 624-4609

Lecture Room: 169 Crawford Office: Langley 456

EMAIL: GraceAA@Pitt.edu

1/7 Introduction

1/9 Pharmacology - dose/response, receptors

1/14 Pharmacology - agonists/antagonists, second messengers

1/16 Basal ganglia - anatomy, Acetylcholine, Amino Acids

1/21 Dopamine - anatomy, physiology, pharmacology

1/23 Norepinephrine - anatomy, physiology, pharmacology

1/28 Serotonin - anatomy, physiology, pharmacology, hallucinogens

1/30 Exam I - Basic Science

2/4 Psychiatric diagnosis & clinical investigations; Schizophrenia - history, genetics, diagnostic criteria

2/6 Schizophrenia - etiology, amphetamine, PCP, hallucinogens

2/11 Schizophrenia - treatment, side effects

2/13 Parkinson's disease

2/18 Huntingtons disease

2/20 Tourette's Syndrome

2/25 Obsessive/Compulsive disorder

2/27 Exam 2

3/3 Attention Deficit/Hyperactivity Disorder

3/5 Anxiety

3/10-12 Spring Recess

3/17 Drug Abuse

3/19 Anorexia Nervosa/Bulimia

3/24 Autism

3/26 Epilepsy

3/31 Exam 3

4/2 Bipolar disorders, lithium, suicide

4/7 Alzheimer’s

4/9 Depression - clinical & diagnostic criteria, genetics

4/14 Depression - etiology, animal models, treatment

4/16 Summary and General Principles; Review

4/25 8:00-9:50 AM Final and Exam 4 - cumulative (emphasis on last section)

Exams: First 3 exams 1/4 of grade each

Final exam - 1/4 of grade

Teaching Assistant: Loretta Liu

Email: LWL8@pitt.edu

Office Hours: 11:30-12:30 Thursday in Room 208 Langley Hall; and by appointment

Dr. Grace is ALWAYS available by appointment; EMAIL at: GraceAA@pitt.edu

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

"Disabilities: If you have a disability that requires special testing

accommodations or other classroom modifications, you need to notify

both the instructor and the Disability Resources and Services no later

than the 2nd week of the term. You may be asked to provide

documentation of your disability to determine the appropriateness of

accommodations. To notify Disability Resources and Services, call

648‑7890 (Voice or TTD) to schedule an appointment. The Office is

located in 216 William Pitt Union."

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*