

X3028 - Psychobiology (Current Academic Year)

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X3028 - Psychobiology

28 items

Abnormal psychology - William J. Ray, 2018**Book** | **Recommended** | This book is recommended as a supplement to the readings in this list. It is not required reading, but would be a useful resource for further reading.

Diagnostic and Statistical Manual of Mental Disorders (DSM-5) - American Psychiatric Association, 2013**Book** | **Recommended**

Lecture 1 - Introduction to the Module (1 items)

Welcome to Psychobiology. In this module we will be examining the biological foundations of human behaviour. Throughout the module we will be using current research to examine topics of great importance and this Talis list will guide you through the reading you need to explore these issues. In this first lecture you will be introduced to the module and be provided with all the information you need to complete this course successfully. See you in class!

Chapter 1 - Biopsychology as a Neuroscience - Pinel, J.**Chapter** | **Essential**

Lecture 2 - Human Behavioural Ecology and Evolutionary Psychology (3 items)

This session will consider ecological and evolutionary perspectives on human behaviour.

Textbook Extract (evolution) - Chandler, C.**Chapter** | **Essential** | Module: X3028 (Scanned Extract)

Human behavioral ecology: current research and future prospects - Daniel Nettle, Mhairi A. Gibson, David W. Lawson, Rebecca Sear, 2013**Article** | **Recommended**

Evolutionary Psychology Primer by Leda Cosmides and John Tooby**Webpage** | **Recommended**

Lecture 3 - Genetics and Psychopathology (2 items)

In this class, we will cover the basics of genetics and psychopathology, and build on the evolutionary perspective set out in the previous week.

Textbook Extract (genetics) - Chandler, C.

[Chapter](#) | [Essential](#) | Module: X3028 (Scanned Extract)

Psychiatric genetics and the structure of psychopathology - Jordan W. Smoller, Ole A. Andreassen, Howard J. Edenberg, Stephen V. Faraone, Stephen J. Glatt, Kenneth S. Kendler, 2018-1-9

[Article](#) | [Recommended](#) | Module: X3028 (Scanned Extract)

Lecture 4 - What is abnormal neuropsychology? (4 items)

Textbook Extract (LENS: Global mental health mood disorders) - William J. Ray

[Chapter](#) | [Essential](#) | Module: X3028 (Scanned Extract)

The global burden of mental disorders: An update from the WHO World Mental Health (WMH) Surveys - Ronald C. Kessler, Sergio Aguilar-Gaxiola, Jordi Alonso, Somnath Chatterji, Sing Lee, Johan Ormel, T. Bedirhan Üstün, Philip S. Wang, 2009-3

[Article](#) | [Essential](#)

Enduring mental health: Prevalence and prediction. - Jonathan D. Schaefer, Avshalom Caspi, Daniel W. Belsky, Honalee Harrington, Renate Houts, L. John Horwood, Andrea Hussong, Sandhya Ramrakha, Richie Poulton, Terrie E. Moffitt, 2017-02

[Article](#) | [Recommended](#)

Is "Abnormal Psychology" Really all that Abnormal?

[Webpage](#) | [Background](#) | A blog post written by one of the authors of the above article.

Lecture 5 - The Neurobiology of Depression (4 items)

In this class we will discuss the neurobiological basis for Major Depressive Disorder (MDD), including causes, treatments and medications.

Neurobiology of depression: an integrated view of key findings - V. Maletic, M. Robinson, T. Oakes, S. Iyengar, S. G. Ball, J. Russell, 2007-11-07

[Article](#) | [Essential](#)

A Brain-Based Endophenotype for Major Depressive Disorder - Bradley S. Peterson, Myrna M. Weissman, 2011-02-18

[Article](#) | [Essential](#) | Module: X3028 (Scanned Extract)

The molecular neurobiology of depression - Vaishnav Krishnan, Eric J. Nestler, 2008-10

[Article](#) | [Recommended](#)

Genetic Influences on Depression and Anxiety in Childhood and Adolescence - Frances Rice

[Chapter](#) | [Recommended](#)

Lecture 6 - Stress, Trauma and Psychopathology (3 items)

This week we will cover stress, including trauma and PTSD.

Epigenetics of Posttraumatic Stress Disorder: Current Evidence, Challenges, and Future

Directions - Anthony S. Zannas, Nadine Provençal, Elisabeth B. Binder, 2015-09

[Article](#) | **Essential**

Epigenetics of Stress-Related Psychiatric Disorders and Gene × Environment Interactions -

Torsten Klengel, Elisabeth B. Binder, 2015-06

[Article](#) | **Essential**

How stress affects your brain - Madhumita Murgia | TED-Ed

[Webpage](#) | **Recommended**

Lecture 7 - Addiction and Substance Abuse (3 items)

In this class we will cover genetic, epigenetic, and neurobiological factors associated with addictive disorders.

Transcriptional and epigenetic mechanisms of addiction - Alfred J. Robison, Eric J. Nestler, 2011-11

[Article](#) | **Essential**

Dysfunction of the prefrontal cortex in addiction: neuroimaging findings and clinical implications - Rita Z. Goldstein, Nora D. Volkow, 2011-11

[Article](#) | **Essential**

Genetics of Substance Use Disorders - Arpana Agrawal, Michael T. Lynskey

[Chapter](#) | **Recommended**

Lecture 8 - Alzheimer's Disease (4 items)

This week we will discuss Alzheimer's Disease, a neurocognitive disorder.

Textbook Extract (alzheimer's disease) - Chandler, C.

[Chapter](#) | **Essential** | Module: X3028 (Scanned Extract)

Alzheimer's disease - NHS

[Webpage](#) | **Recommended**

Selective review of cognitive aging - TIMOTHY A. SALTHOUSE, 2010-9

[Article](#) | **Recommended**

The Adaptive Brain: Aging and Neurocognitive Scaffolding - Denise C. Park, Patricia Reuter-Lorenz, 2009-01

[Article](#) | **Recommended**

Lecture 9 - Perspectives on Abnormal Psychology (2 items)

In this final session, we will look back on the module to tie together important perspectives on this topic. This is a discussion seminar, and students are expected to have completed the reading and to participate in the discussion, in order to gain the most from this module. Guidance for both assessments will also be provided.

The 'side effects' of medicalization: A meta-analytic review of how biogenetic explanations affect stigma - Erlend P. Kvaale, Nick Haslam, William H. Gottdiener, 2013-08

[Article](#) | Essential

Neuroethics in the Age of Brain Projects - Henry T. Greely, Khara M. Ramos, Christine Grady, 2016-11

[Article](#) | Essential