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1. Learning objectives

Understand that rewarding experiences can be related to Substance Use and to Behaviors void of external substance use.

Understand the need for Human and Animal Models and their limits for addiction research.

Understand and differentiate what is specific to rewards, what is specific to modality of use, what is specific to toxic effects

2. Topics

Definitions and concepts in addiction. Consequences vs. modalities of use. Loss of Control over use vs. Withdrawal and Tolerance. Craving, causalities of use, biomarkers of addiction. Individual vulnerabilities. Evaluation methods in Humans and Treatment basics

3. Teaching

Interactive tutored course after reading of documents. Self-access to e-learning lectures, documents and self-test

<https://moodle1.u-bordeaux.fr/course/view.php?id=4649>

4. Examination

2 hours written examination

5 to 7 questions based on Lecture content and Tutorials, Documents and/or Articles

5. Speakers/topics

All teachers are experiences researchers in Human or Animal Addiction research. Emmanuelle Baillet, Laura Lambert, Jean-Marc Alexandre, Marc Auriacombe, Serge Ahmed, Angelo Contarino.