

## Course Content

Course Title (English)	Financial Technology
Course Title (Chinese)	金融科技
Credit	3
Instructor	Prof. Che Lin 林澤 教授
Outline	<p>Financial technology (Fintech) is a broad category that refers to the innovative use of technology in the design and delivery of financial services and products. While many technology innovations play important parts in revolutionizing financial services, this course focuses on deep learning (DL) and its applications in FinTech. Deep learning is form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts with a deep representation of many layers. It has been proven to be highly successful in predictive tasks for applications such as computer vision and natural language processing. In this course, we hope to demonstrate how DL can be applied to achieve superior predictive performance in FinTech applications.</p>
Goal	<p>In this course, we will first provide an overview of how deep learning revolutionizes the financial industry. We will then provide basics for machine learning (ML) and DL. Finally, we will provide several case studies on how to apply ML/DL to solve real-world FinTech problems. Students are expected to learn how to apply ML/DL algorithms in FinTech applications via completing programming homework and final project.</p>
English Teaching	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Teaching Material	<input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese

