GAC Computing

Syllabus Checklist · 大纲自查表

Tick one box per statement: ☐ not yet ☐ nearly ☐ confident. 每条打一个勾：尚未掌握 / 快会了 / 有把握。

1. GAC005 Computing I: Introduction to Computing for Academic Study

GAC005 计算机 I：学术学习计算机入门

1.1 Search Literacy 搜索素养

☐☐☐ Understand, evaluate and discriminate between available and emerging technologies to use, store and protect information.

☐☐☐ Use the Internet to research, interpret and interactively and ethically manage academic projects.

1.2 Collaborative Writing 协作写作

☐☐☐ Create, revise and publish academic documents using a word processing program.

☐☐☐ Use open source platforms to collaboratively create and share academic documents.

1.3 Project Management 项目管理

☐☐☐ Use the Internet to research, interpret and interactively and ethically manage academic projects.

☐☐☐ Use open source platforms to collaboratively create and share academic documents.

1.4 Creating Effective Presentations 制作有效的演示文稿

☐☐☐ Create an academic oral presentation using a presentation software program.

1.5 Enhancing your Presentation 提升你的演示

☐☐☐ Create an academic oral presentation using a presentation software program.

1.6 The Making of a Video 视频制作

☐☐☐ Understand, evaluate and discriminate between available and emerging technologies to use, store and protect information.

☐☐☐ Create an academic oral presentation using a presentation software program.

2. GAC011 Computing II: Web Development GAC011 计算机 II：网页开发

2.1 Designing a Website 网站设计

☐☐☐ Design effective websites using aesthetics and formal concepts of layout and organization to communicate effectively using visual components.

☐☐☐ Incorporate best practices in navigation, usability, and written content to design websites that give users easy access to the information they seek.

2.2 Creating a Website Using Html 用 HTML 创建网站

☐☐☐ Create and publish a website using scripting languages to add interactive components.

2.3 Using CSS to Enhance your Website 用 CSS 美化网站

☐☐☐ Design effective websites using aesthetics and formal concepts of layout and organization to communicate effectively using visual components.

☐☐☐ Create and publish a website using scripting languages to add interactive components.

2.4 Adding Interactivity with JavaScript 用 JavaScript 添加交互

☐☐☐ Create and publish a website using scripting languages to add interactive components.

2.5 Launching your Website 发布你的网站

☐☐☐ Incorporate best practices in navigation, usability, and written content to design websites that give users easy access to the information they seek.

☐☐☐ Use the website to complement academic work conducted in other media.

2.6 Social Media Marketing 社交媒体营销

☐☐☐ Use social media to promote or find a website.

3. GAC017 Computing III: Data Science and Web Apps

GAC017 计算机 III：数据科学与网页应用

3.1 JavaScript for Web App's back-end 用于网页应用后端的 JavaScript

☐☐☐ Understand the basic components of a Web Application.

3.2 Back-end Programming 后端编程

☐☐☐ Adapt a back-end application using scripting languages to interact with databases.

3.3 Introduction to Databases 数据库入门

☐☐☐ Create a database with multiple tables.

3.4 SQL for Back-end Programming 用于后端编程的 SQL

☐☐☐ Analyze data using SQL in order to make decisions.

3.5 Connecting JavaScript with SQL 将 JavaScript 与 SQL 连接

☐☐☐ Adapt a back-end application using scripting languages to interact with databases.

☐☐☐ Analyze data using SQL in order to make decisions.

3.6 Data Science 数据科学

☐☐☐ Applying Data Science to other academic areas.