Weekly Activities and Readings

Feel free to download and use the following checklist to assist with completing all readings, discussions and course activities.

Week 1: Your Learning Environment

- Readings & Multimedia:
  - Course Welcome video
  - Course Preview Materials - all
  - Syllabus
  - Final Portfolio Guidelines & Rubric
- Discussion & Activity
  - Complete Poll: About You
  - Discussion 1: Introduce Yourself
  - Self-Assessment: Learning Experiences
  - Activity: Preparing for Your Final Portfolio

Week 2: Learning Theory: Behaviorism

- Readings & Multimedia
  - Learning about Learning
  - Are Theories of Learning Necessary?
  - How to Train Your Brain
  - Behaviorism: Pavlov, Watson, and Skinner
  - Behaviorism
  - Operant Conditioning
  - Behaviorist design characteristics
  - Stanford University Behaviorism page
- Discussion & Activity
  - Discussion 2: Behaviorism Pros and Cons
  - Portfolio Activity 1: Behaviorism learning theory page
Week 3: Learning Theory: Constructivism
- Readings & Multimedia
  - Constructivism & Vygotsky
  - UNESCO: Constructivism
  - Vygotsky and ZPD
  - Interaction Between Learning and Development
  - Learning Theories: Constructivism
  - Zone of Proximal Development
- Discussion & Activity
  - Discussion 3: Constructivism, ZPD and Scaffolding
  - Portfolio Activity 2: Constructivism infographic

Week 4: Learning Theory: Connectivism & Cognitivism
- Readings & Multimedia
  - Cognitive Load Theory
  - Bruner and the process of education
  - Bruner
  - Social Cognitive Theory: a summary of the topic
  - Bandura: how self efficacy supports a unified theory of behavior change
  - https://www.youtube.com/watch?v=rqL_IsogeNU
  - On the Perception of Incongruity: A Paradigm
  - Value and Need as Organizing Factors in Perception
  - 12 Principles of Multimedia Learning
  - Overview of Multimedia Instruction
  - A Cognitive Approach to Instructional Design for Multimedia Learning
- Discussion & Activity
  - Discussion 4: Cognitive Load
  - Portfolio Activity 3: Cognitivism and Connectivism page

Week 5: Learning Theory: Andragogy
- Readings & Multimedia
  - https://www.youtube.com/watch?v=vLoPiHUZbEw
  - Wikibook Adult Learning Theory
  - Adult Learning
  - Malcolm Knowles Informal Adult Education
  - The Adult Learning Theory Andragogy
  - Andragogy infographic review.
  - Formal vs. Informal learning experiences
  - Adult Learning Theories every Instructional Designer
  - The Adult Learning Theory - Andragogy - of Malcolm Knowles
  - No-Nonsense Guide to Basic Instructional Design Theory
Instructional Design Approaches
- Behaviorism and Instructional Design

Discussion & Activity
- Discussion 5: Adult Learning Theory in Context
- Portfolio Activity 4: Andragogy Infographic

Week 6: Complex Learning Theories
- Readings & Multimedia
  - Authentic Assessment: [https://youtu.be/x_yX7GbuTY](https://youtu.be/x_yX7GbuTY)
  - Student Centered Learning: [https://www.youtube.com/watch?v=8rUNqVSQQ3E&t=1s](https://www.youtube.com/watch?v=8rUNqVSQQ3E&t=1s)
  - Project Based Learning: [https://www.youtube.com/watch?v=3CRbSR-vrH0](https://www.youtube.com/watch?v=3CRbSR-vrH0)
  - Experiential Learning: [https://www.youtube.com/watch?v=83O3mJl9EQ](https://www.youtube.com/watch?v=83O3mJl9EQ)
  - Indiana University, Bloomington Center for Innovative Teaching and Learning article [Authentic Assessment](https://www.indiana.edu/)
  - What are Formative Assessments and Why Should We Use Them?
  - LearnNC article on Summative Assessments
  - Edudemic article on [Formative vs. Summative Assessments](https://www.edudemic.com/
  - authentic assessments in action

- Activity
  - Portfolio Activity 5: Complex Learning Models - 2
  - Self-Assessment: Evaluate Your Portfolio

Week 7: Authentic Assessments
- Readings & Multimedia
  - Experiential Learning: [https://www.youtube.com/watch?v=83O3mJl9EQ](https://www.youtube.com/watch?v=83O3mJl9EQ)
  - Project Based Learning: [https://www.youtube.com/watch?v=3CRbSR-vrH0](https://www.youtube.com/watch?v=3CRbSR-vrH0)
  - Service Learning: [https://www.youtube.com/watch?v=XFjC5JYAkiw](https://www.youtube.com/watch?v=XFjC5JYAkiw)
  - Gamification: [https://www.youtube.com/watch?v=49b-eiudlEU](https://www.youtube.com/watch?v=49b-eiudlEU)
  - Gamification Infographic: [visually-appealing infographic](https://www.youtube.com/watch?v=49b-eiudlEU)
  - Review Learning-Theories.com succinct overview of gamification
  - four-plus ways to bring gamification to the classroom.
  - a visually-rich and detailed presentation on gamification.
  - Wendy Hsin-Yuan Huang and Dilip Soman published a nearly-thirty-page "Practitioner's Guide to Gamification of Education"
• **Activity**
  o Portfolio Activity 6: Complex Learning Models - 2
  o Submit Final Portfolio for Review

**Week 8: Technology’s Role in Learning**

• **Readings & Multimedia**
  o *Can Technology Change Education? Yes!, by Raj Dhingra at TEDXBend*:
    [https://youtu.be/l0s_M6xKxNc](https://youtu.be/l0s_M6xKxNc)
  o Brookings Institute article Classroom Technologies Narrow Education Gap in Developing Countries
  o Technology can empower children in developing countries
  o 4 Ways Technology is Making Education Accessible and Affordable
    [https://www.entrepreneur.com/article/243002](https://www.entrepreneur.com/article/243002)
  o Global Collaborations & Education:
  o 5 ways to use technology for global collaboration
  o Technology Apps for People with Disabilities
  o The tech giving people power to deal with disability
  o For People With Disabilities, New Technology Can Be Life Changing

• **Discussion**
  o Discussion 6: Role of Technology in Teaching and Learning
Portfolio Host Suggestions

There are many free, easy-to-use tools available online. Many are template-driven and provide online tutorials as a way for you to get started creating your own website. Here are a few popular examples you might consider using, or you can conduct an online search for one of your own:

- Wix: http://www.wix.com
- Medium: Medium.com
- Google Sites: https://sites.google.com
- Weebly: https://www.weebly.com
- WordPress: https://wordpress.com