**Lesson Outline – Using Discrete Probability Distributions**

KEY: Typical Class Structure (of a **non-first** class):

Last class: Class previous to the discussed class

This class: The current class

Next class: Class coming up after this class

GREEN: Before Class

RED: IN Class

YELLOW: BLENDED

~~STRIKE-THROUGH~~ : Not applicable for this class

**LESSON PLAN**

**Using Discrete Probability Distributions**

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| --- | --- | --- | --- |
|  | **Step No** | **Activity Name** | **Description** |
| Before Class | 1 | Review Notebook file and handout of the last class on LMS | 01\_Notebook\_Calculating Probabilities. |
| ~~Before Class~~ | 2 | ~~Activities of last class~~ | ~~Finish activities of last class, such as reading handbook, chapters from a book, watch a movie, listen to podcast, capstone etc as suggested by your teacher~~ |
| Before Class | 3 | Finish Drill Exercises of last class | 06\_Drill\_Exercise.pdf  07\_Drill\_Exercise.pdf  08\_Drill\_Exercise.pdf  09\_Drill\_Exercise.pdf  10\_Drill\_Exercise.pdf  11\_Drill\_Exercise.pdf  12\_Drill\_Exercise.pdf |
| Before Class | 4 | Perform grading duties : Peer-grade drills of last class as applicable | Grade the drills of your randomly assigned |
| In Class | ~~5~~ | Discuss Drills Solution in a Quiz Like interactive format | Discuss the solutions to last class’s Drills. This will also serve as a recap/revision of last class. |
| In Class | 6 | **Lesson Summary**  Probability Distribution  Discrete Probability Distribution  Expectations and Variances  Its Application  **Learning Objectives**  At the end of this class participants should be able to  ♦ Understand random variables and probability distributions.  ♦ Distinguish discrete and continuous random variables.  ♦ Able to compute Expected value and Variance of discrete random variable.  **Learning Outcomes**  Learner will be able to differentiate between discrete and continuous random variables, able to compute the expectation and variance. | Review the lesson objectives and learning outcomes of the current class |
| In Class | 7 | **Take Lecture**  **Training Aids**   * 001.jpg * 002.jpg * 003.jpg * 004.jpg * 005.jpg * 006.jpg * 007.jpg * 008.jpg * 01\_Notebook\_Using Discrete Probability Distributions.ipynb   **Training Method**  This course will be conducted in a hands-on step by step fashion. At the end of the lecture, the students will do Drill Exercises. | Take class lecture |
| In Class | 8 | QnA Session | Get your doubts clarified of this lecture |