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| **Delivery Plan (Weekly Syllabus)**المنهاج الاسبوعي النظري |
|  | **Material Covered** |
| **Week 1** | Introduction - permutations and combinations |
| **Week 2** | Probability |
| **Week 3** | Conditional probability and bay’s theorem |
| **Week 4** | Connected random variables |
| **Week 5** | Discrete random variables |
| **Week 6** | Functions of random variables |
| **Week 7** | Expectations |
| **Week 8** | Variances |
| **Week 9** | Moment – generating function |
| **Week 10** | Joint distributions and marginal distributions |
| **Week 11** | Discrete distributions |
| **Week 12** | Continuous distributions |
| **Week 13** | First exam |
| **Week 14** | Second exam |
| **Week 15** | Review important topics |
| **Week 16** | Preparatory week before the final Exam |