

IE 230 Tentative Calendar (2 pages), Revised November 11, 2020

Notes: Sync refers to the optional “Synchronous Class” which is MWF 3:30p-min(4:20p, end of questions) Eastern;
 MCQ means “Multiple Choice Questions,” developed based on the previous week’s videos;
 V means “Video;” CN means “Course Notes;” “§” means “Section;” MR means “Montgomery and Runger, 6th Ed.”
 A means that all materials related to this class are currently available to students (quizzes excepted).
 This calendar **will be revised** during the semester. If you find typos or issues, please email me (hunter63@purdue.edu).

MONDAY	WEDNESDAY	FRIDAY
August 24 <i>Class 1</i> W1 <i>Sync @3:30p: Intro (Recorded, posted as V00 after)</i> V00 & V01: Syllabus & Intro CN Ch 0, §1.1–§1.2; p. 0-0 to 1-3; LO 1.1 to 1.2. Reading: MR Ch 1 A	August 26 <i>Class 2</i> <i>Sync @3:30p: Q&A about course</i> V02 & V03: Review CN §1.2–§1.3; p. 1-3 to 1-14; LO 1.2 to 1.13. A	August 28 <i>Class 3</i> <i>Sync @3:30p: Q&A, HW1 problems</i> V04: Sample Space, Events CN §2.1; p. 2-1 to p. 2-5; LO 2.1 to 2.5. Reading: MR §2-1, skip §2-1.4 A
August 31 <i>Class 4</i> W2 MCQ1 due 3p <i>Sync @3:30p: Q&A, HW1 problems</i> V05: Event Probability & Axioms CN §2.1–§2.2; p. 2-5 to 2-9; LO 2.5 to 2.8. Reading: MR §2-2, §2-3 A	September 2 <i>Class 5</i> HW1 due 3p (to LO 2.5) <i>Sync @3:30p: Q&A, HW2 problems</i> V06: Conditional Probability CN §2.2–§2.3; p. 2-9 to 2-12; LO 2.8 to 2.9. Reading: MR §2-4, §2-5 A	September 4 <i>Class 6</i> Quiz 1 due 3p on CN §1.1–§2.1 <i>Sync @3:30p: Q&A, HW2 problems</i> V07: LOTP, Indep., Intro to R.V.’s CN §2.3, §2.4; p. 2-12 to 2-17; LO 2.10 to 2.12. Reading: MR §2-5 to §2-8 A
September 7 <i>Class 7</i> W3 MCQ2 due 3p <i>Sync @3:30p: Bayesian Search (Recorded, posted as V07-P1 after)</i> V07-P1: Bayesian Search, CN §2.3.1 V07-R1: “Test 1” Review A	September 9 <i>Class 8</i> HW2 due 3p (to LO 2.11) <i>Sync @3:30p: Q&A for Quiz 2</i> V08: R.V.’s, Discrete pmf/cdf CN §2.4, §3.1; p. 2-17 to 3-7; LO 2.12 to 3.2. Reading: MR §2-8, §3-1 to §3-3 A	September 11 <i>Class 9</i> Quiz 2 due 3p on CN Ch 1–2 <i>Sync @3:30p: Q&A, HW3 problems</i> V09: Discrete pmf/cdf, mean/var CN §3.1, §3.2; p. 3-7 to 3-11; LO 3.2 to 3.3. Reading: MR §3-4, §3-5 A
September 14 <i>Class 10</i> W4 MCQ3 due 3p <i>Sync @3:30p: Q&A, HW3 problems</i> V10: Bernoulli, Binomial CN §3.2, §3.3; p. 3-12 to 3-16; LO 3.3 to 3.7. Reading: MR §2-1.4, §3-6 A	September 16 <i>Class 11</i> HW3 due 3p (to LO 3.3) <i>Sync @3:30p: Q&A, HW4 problems</i> V11: Geometric, Neg. Binomial CN §3.3; p. 3-16 to 3-19; LO 3.4 to 3.7. Reading: MR §3-7 A	September 18 <i>Class 12</i> Quiz 3 due 3p on CN §1.1–§3.2 <i>Sync @3:30p: Family Planning (Recorded, posted as V11-P2 after)</i> V11-P2: Family Planning, CN §3.3.8 V12: Hypergeometric, Poisson CN §3.3; p. 3-19 to 3-21; LO 3.4 to 3.7. Reading: MR §3-8, §3-9 A
September 21 <i>Class 13</i> W5 MCQ4 due 3p <i>Sync @3:30p: Q&A, HW4 problems</i> V13: Continuous pdf/cdf CN §4.1; p. 4-1 to 4-6; LO 4.1 to 4.3. Reading: MR §4-1 to §4-3 A	September 23 <i>Class 14</i> HW4 due 3p (to LO 3.7) <i>Sync @3:30p: Q&A, HW5 problems</i> V14: Continuous mean/var CN §4.1, §4.2; p. 4-6 to 4-9; LO 4.3 to 4.4. Reading: MR §4-4 A	September 25 <i>Class 15</i> Quiz 4 due 3p on CN Ch 1–3 <i>Sync @3:30p: Q&A, HW5 problems</i> V15: Unif., Triang., Normal CN §4.3.1 to 4.3.3; p. 4-10 to 4-14; LO 4.5 to 4.7. Reading: MR §4-5, §4-6 A
September 28 <i>Class 16</i> W6 MCQ5 due 3p <i>Sync @3:30p: Q&A, HW5 problems</i> V16: Normal, Exponential CN §4.3.3, §4.3.4; p. 4-14 to 4-18; LO 4.5 to 4.8. Reading: MR §4-6 to §4-8 A	September 30 <i>Class 17</i> HW5 due 3p (to LO 4.5) <i>Sync @3:30p: Q&A, HW6 problems</i> V17: Exp., Gamma, Summary CN §4.3.4, §4.3.5, Ch 5; p. 4-18 to 4-21; LO 4.5, 4.9. Reading: MR §4-9 A	October 2 <i>Class 18</i> Quiz 5 due 3p on CN §1.1–§4.2 <i>Sync @3:30p: Q&A, HW6 problems</i> V16-P3: Quality Control, CN §4.3.6 V17-R2: “Test 2” Problems A
October 5 <i>Class 19</i> W7 MCQ6 due 3p Tu 10/6 <i>Sync @3:30p: Q&A, HW6 problems</i> V18: Bivariate Discrete CN §6.1; p. 6-1 to 6-5; LO 6.1 to 6.3. Reading: MR §5-1.1 to §5-1.3 A	October 7 <i>Class 20</i> HW6 due 3p Th 10/8 (to LO 4.9) <i>Sync @3:30p: Q&A, HW7 problems</i> V19: Bivariate Continuous CN §6.1; p. 6-5 to 6-7 LO 6.1 to 6.3. Reading: MR §5-1.1 to §5-1.3 A	October 9 <i>Class 21</i> Quiz 6 due 3p on CN Ch 1–5 <i>Sync @3:30p: Q&A, HW7 problems</i> V20: Bivariate Dist. & Indep. CN §6.2; p. 6-9 to 6-13; LO 6.4. Reading: MR §5-1.4 A

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October 12 <i>Class 22</i> W8 MCQ7 due 3p <i>Sync @3:30p: Q&A, HW7 problems</i> V21: Bivariate Exp. Values CN §6.3; p. 6-14 to 6-16; LO 6.5. Reading: MR §5-2 A	October 14 <i>Class 23</i> HW7 due 3p Th 10/15 (to LO 6.4) <i>Sync @3:30p: Q&A, HW8 problems</i> V22: Covar. & Corr. CN §6.4; p. 6-17 to 6-20; LO 6.6. Reading: MR §5-2 A	October 16 <i>Class 24</i> Quiz 7 due 3p on CN §1.1–§6.2 <i>Sync @3:30p: Q&A, HW8 problems</i> V23: Bivariate Normal, ≥ 2 R.V.'s CN §6.5, §7.1; p. 6-22 to 6-24, 7-1 to 7-2; LO 6.7 to 7.2. Reading: MR §5-3.2, §5-1.5 A
October 19 <i>Class 25</i> W9 MCQ8 due 3p <i>Sync @3:30p: Q&A, HW8 problems</i> V24: ≥ 2 R.V.'s CN §7.1, §7.2; p. 7-2 to 7-6; LO 7.3 to 7.6. Reading: MR §5-1.5, §5-4 A	October 21 <i>Class 26</i> HW8 due 3p (to LO 6.7) <i>Sync @3:30p: Q&A, HW9 problems</i> V25: ≥ 2 R.V.'s, Multinomial CN §7.2, §7.3; p. 7-7 to 7-10; LO 7.6 to 7.7 Reading: MR §5-3.1, §5-4 A	October 23 <i>Class 27</i> Quiz 8 due 3p on CN Ch 1–6 <i>Sync @3:30p: Finance (Recorded and posted as V27-P4 after)</i> V25-P4: Finance, CN §6.5.1. V25-R3: "Test 3" Review CN Ch 1–7 A
October 26 <i>Class 28</i> W10 MCQ9 due 3p <i>Sync @3:30p: Q&A, HW9 problems</i> V26: Estimation CN Ch 8 intro; p. 8-1 to 8-4; LO 8.1 to 8.2. Reading: MR §6-1, §7-1, §7-2 A	October 28 <i>Class 29</i> HW9 due 3p Th 10/29 (to LO 7.8) <i>Sync @3:30p: Q&A, HW10 problems</i> V27: Estimation: SLLN, CLT CN §8.1; p. 8-4 to 8-8; LO 8.3 to 8.4. Reading: MR §7-1, §7-2 A	October 30 <i>Class 30</i> Quiz 9 due 3p on CN Ch 1–7 <i>Sync @3:30p: Cancelled</i> V28: Estimation: Diff. of Means. Est. Variance, Fixed v. Random CN §8.2–§8.4; p. 8-9 to 8-12; LO 8.5 to 8.8. Reading: MR §7-1, §7-2 A
November 2 <i>Class 31</i> W11 MCQ10 due 3p <i>Sync @3:30p: Q&A, HW10 problems</i> V29: Parameter Estimation CN §8.5 intro; p. 8-13 to 8-16; LO 8.9, 8.10. Reading: MR §7-3.1 to §7-3.3, §7-3.5 A	November 4 IE 230 Reading Day	November 6 <i>Class 32</i> <i>Sync @3:30p: Q&A, HW10 problems</i> V30: Estimation: MLE CN §8.5.1; p. 8-17 to 8-19; LO 8.11. Reading: MR §7-4.2 A
November 9 <i>Class 33</i> W12 MCQ11 due 3p Tu 11/10 <i>Sync @3:30p: Q&A, HW10 problems</i> V30-R4: Problems A	November 11 <i>Class 34</i> HW10 due 3p Th 11/12 (to LO 8.11) <i>Sync @3:30p: Q&A</i> V30-R5: Problems V30-R6: Problems A	November 13 <i>Class 35</i> Quiz 10 due 3p on CN Ch. 1–8 <i>No synchronous class.</i>
November 16 <i>Class 36</i> W13 <i>Sync @3:30p: Q&A</i> On your own: Review and study for Final Quiz. A	November 18 <i>Class 37</i> <i>Sync @3:30p: Q&A</i> On your own: Review and study for Final Quiz. A	November 20 <i>Class 38</i> Final Quiz due 3p <i>No synchronous class.</i> Note: The Final Quiz is the same length and format as a regular quiz. The only difference is that a regular quiz focuses on topics from the previous week. For this quiz, topics may come from any part of the course.
November 23 No Class [Purdue: F2F Ends]	November 25 No Class: Thanksgiving	November 27 No Class: Thanksgiving
November 30 <i>Class 39</i> <i>No synchronous class.</i>	December 2 <i>Class 40</i> <i>No synchronous class.</i>	December 4 <i>Class 41</i> [W/WF by 5p.] <i>No synchronous class.</i>
December 7 [Final Exam Week]	December 9	December 11