

| Count | DOW | Day | Topic | Due/Comment |
|-------|-----|--------|-------------------------------------|--|
| 1 | Wed | 28-Aug | Mappings, transformations, | Chapter 2; Section 1 |
| 2 | Fri | 30-Aug | Function composition, | |
| | Mon | 2-Sep | <i>Labor Day</i> | |
| 3 | Wed | 4-Sep | Groups of Transformations | NE1: Circle Inversion |
| 4 | Fri | 6-Sep | Types of Groups | |
| 5 | Mon | 9-Sep | Isometries in the plane | Q: Symmetry groups (OC: outside class) |
| 6 | Wed | 11-Sep | Isometries in the plane | Q: Symmetry groups due |
| 7 | Fri | 13-Sep | Isometries in the plane | |
| 8 | Mon | 16-Sep | Orthogonal matrices 1 | A1: Isometries in the plane |
| 9 | Wed | 18-Sep | Orthogonal matrices 2 | |
| 10 | Fri | 20-Sep | Orthogonal matrices 3 | |
| 11 | Mon | 23-Sep | Orthogonal matrices 4 | NE2: Lambert quadrilaterals |
| | Wed | 25-Sep | <i>REACH day</i> | |
| 12 | Fri | 27-Sep | Orthogonal matrices 5 | Q: 2D isometry statements |
| 13 | Mon | 30-Sep | Orthogonal matrices 6 | |
| 14 | Wed | 2-Oct | Review Chapter 2A | Test: Chapter 2A; OC: take up to 2 hours |
| 15 | Fri | 4-Oct | 3-space isometries | Chapter 2A test due at start of class |
| 16 | Mon | 7-Oct | 3-space isometries | |
| 17 | Wed | 9-Oct | Similarities | Q: 3D isometry statements |
| 18 | Fri | 11-Oct | Dilations | |
| 19 | Mon | 14-Oct | Review Chapter 2B | Test: Chapter 2B; OC: take up to 2 hours |
| 20 | Wed | 16-Oct | Circles, special triangle points 1 | Chapter 2B test due at start of class |
| 21 | Fri | 18-Oct | Circles, special triangle points 2 | |
| | Mon | 21-Oct | <i>Fall Break</i> | |
| 22 | Wed | 23-Oct | Circles, special triangle points 3 | |
| | Fri | 25-Oct | <i>Washington Center Challenges</i> | Due Transformations assignment |
| 23 | Mon | 28-Oct | Theorems of Ceva and Menelaus | |
| 24 | Wed | 30-Oct | Theorems of Ceva and Menelaus | |
| 25 | Fri | 1-Nov | Nine point circle | |
| 26 | Mon | 4-Nov | Euler Line, Miquel point, etc | A2 and NE3: Named points and circles |
| 27 | Wed | 6-Nov | Constructions Regular polys 1 | |
| 28 | Fri | 8-Nov | Constructions Regular polys 2 | Test: Chapter 4; OC: take up to 2 hours |
| 29 | Mon | 11-Nov | Chapter 4 test drawings | Chapter 4 test due at start of class |
| 30 | Wed | 13-Nov | Advanced constructions 1 | |
| 31 | Fri | 15-Nov | Advanced constructions 2 | |
| 32 | Mon | 18-Nov | Advanced constructions 3 | A3: Other transformations |
| 33 | Wed | 20-Nov | PG: definitions, axioms 1 | A4: Tessellations |
| 34 | Fri | 22-Nov | PG: definitions, axioms 2 | Due Non-Euclidean Geometry Project |
| | M-F | | <i>Thanksgiving Break</i> | |
| 35 | Mon | 2-Dec | Desargues' Theorem | |
| 36 | Wed | 4-Dec | Harmonic sets, Quad | Due Advanced Constructions |
| 37 | Fri | 6-Dec | Duality | |
| 38 | Mon | 9-Dec | Elliptic Curves | A5: Orthogonal circles |
| 39 | Wed | 11-Dec | Semester review 1 | Q: Duality quiz |
| 40 | Fri | 13-Dec | Semester review 2 | |
| | | | Final Exam | Due Historical Readings |