

**EAS 4450 Spring Semester 2004**  
**Instructor: Dr. St. John.**

**Text Books: Synoptic-Dynamic Meteorology in Mid-latitudes, Bluestein.**  
**Online Weather Studies, American Meteorological Society**

<b>Week</b>	<b>Dates</b>	<b>Topics</b>	<b>Readings</b>	<b>Online</b>
<b>1</b>	<b>Jan 5-9</b>	<b>Intro and Basic Synoptics</b>	<b>AMS Chap. 1, 5</b>	
<b>2</b>	<b>Jan 12 -16</b>		<b>AMS Chap. 6, 8, 10</b>	
<b>3</b>	<b>Jan 19 - 23</b>	<b>Dynamics Recap</b>	<b>Bluestein 4.1, 4.2, 4.3, 4.5 AMS Chap. 8</b>	<b>Preview</b>
<b>4</b>	<b>Jan 26 - 30</b>	<b>Instability/Convection</b>	<b>AMS 6, 11 Bluestein 4.3.2</b>	<b>A/B Invest.</b>
<b>5</b>	<b>Feb 2 - 6</b>	<b>Radar/Satellite/ GEMPAK</b>		<b>A/B Invest.</b>
<b>6</b>	<b>Feb 9 - 13</b>	<b>Numerical Models &amp; Forecasting</b>	<b>AMS Chap. A</b>	<b>A/B Invest.</b>
<b>7</b>	<b>Feb 16 - 20</b>	<b>Student Map Discussions</b>		<b>A/B Invest.</b>
<b>8</b>	<b>Feb 23 - 27</b>		<b>AMS Chap 12</b>	<b>A/B Invest.</b>
<b>9</b>	<b>Mar 1 - 5</b>			<b>A/B Invest.</b>
<b>10</b>	<b>Mar 8 - 12</b>	<b>Semester Break</b>		
<b>11</b>	<b>Mar 15 - 19</b>	<b>Student Map Discussions</b>		<b>A/B Invest.</b>
<b>12</b>	<b>Mar 22 - 26</b>			<b>A/B Invest.</b>
<b>13</b>	<b>Mar 29 - Apr 2</b>			<b>A/B Invest.</b>
<b>14</b>	<b>Apr 5 - 9</b>			<b>A/B Invest.</b>
<b>15</b>	<b>Apr 12 - 16</b>	<b>Case Study Presentations</b>		<b>A/B Invest.</b>
<b>16</b>	<b>Apr 19 -23</b>			<b>A/B Invest.</b>