

## Math 249, Multivariable Calculus Tentative Schedule:

MONDAY	WEDNESDAY	FRIDAY
Aug 24th <b>1</b> syllabus, 12.1-2 3D Coordinates Prep: watch 12.1, 12.2	26th <b>2</b> 12.3 Dot product, HF 1	28th <b>3</b> 12.4 Cross product, HF 2
31st <b>4</b> 10.1/12.5 Lines and planes	Sep 2nd <b>5</b> 12.6 Quadric surfaces, HF 3	4th <b>6</b> 13.1 Vector functions, Gateway
7th <b>7</b> 13.2 Calculus on vector functions, HF 4	9th <b>8</b> 13.3 Arc length and curvature	11th <b>9</b> 13.4 Acceleration/ <a href="#">review</a>
14th <b>10</b> <a href="#">Exam I</a>	16th <b>11</b> 14.1 Functions of several variables, HF 5	18th <b>12</b> 14.2 Limits and continuity, HF 6
21st <b>13</b> 14.3 Partial derivatives, HF 7	23rd <b>14</b> 14.4 Tangent planes and linearization	25th <b>15</b> 14.5 The Chain Rule
28th <b>16</b> 14.6 Directional Derivatives	30th <b>17</b> 14.7 Local optimization, HF 8	Oct 2nd <b>18</b> 14.7 Global optimization, HF 8
5th <b>19</b> 14.8 Lagrange Multipliers	7th <b>20</b> Optimization recap	9th <b>21</b> <a href="#">Review</a>
12th <b>22</b> <a href="#">Exam II</a>	14th <b>23</b> 15.1 Double integrals	16th <b>24</b> 15.2 Iterated integrals/15.3 Double integrals over general regions
19th <b>25</b> 15.4 Double integrals in polar coordinates, HF 9	21st <b>26</b> 15.6 Triple integrals, HF 10	23rd <b>27</b> 15.7-8 Cylindrical and Spherical Coordinates
26th <b>28</b> 15.9 Change of variables (general)	28th <b>29</b> 16.1 Vector fields, HF 11	30th <b>30</b> 16.2 Path integrals, HF 12
Nov 2nd <b>31</b> 16.3 FTCLI	4th <b>32</b> <a href="#">Review</a> /catch-up	6th <b>33</b> <a href="#">Exam III</a>

MONDAY	WEDNESDAY	FRIDAY
9th <b>34</b> 16.4 Green's Theorem, HF 13	11th <b>35</b> 16.5 Curl and Divergence, HF 14	13th <b>36</b> 16.6 Parametric surfaces
16th <b>37</b> 16.7 Surface integrals, HF 15	18th <b>38</b> 16.8 Stokes' Theorem	20th <b>39</b> 16.9 The Divergence Theorem
23rd <b>40</b> Review	25th <b>Thanksgiving Break</b>	27th <b>Thanksgiving Break</b>
30th <b>41</b>	Dec 2nd <b>42</b>	4th <b>43</b>
7th <b>44</b>	9th <b>45</b>	11th <b>46</b>

- **9/4: Last Day to Add/Drop Full Semester and First Half-Semester Classes**
- **9/11: Last Day to Choose Credit/No Credit (CR/NC) or Audit (AUD) Grading for First Half-Semester Classes**
- **9/22: Last Day to Withdraw from First-Half-Semester Courses**
- **10/2: Last day for students to submit work to faculty for grading to replace grades of Incomplete (I) from the spring 2017 semester.**
- **10/2: Last Day to Choose Credit/No Credit (CR/NC) Grading for Full Semester Classes**
- **10/9: Last Day of First-Half-Semester Courses**
- **10/12: First Day of Second-Half-Semester Courses**
- **10/23 Last Day to Add/Drop Second-Half-Semester Courses**
- **10/28: Last Day to Withdraw from Full Semester Classes**
- **10/30: Last Day to Choose Credit/No Credit (CR/NC) or Audit (AUD) Grading for Second-Half-Semester Classes**
- **11/13: Last Day to Withdraw from Second-Half-Semester Courses**
- **11/24: Last Day of Full Semester and Second-Half-Semester Courses**