

MATH 528B - Spring 2020 - Tentative Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
<i>Jan 13</i>	<i>Jan 14</i>	<i>Jan 15</i> JMM First day of classes	<i>Jan 16</i>	<i>Jan 17</i> Introduction and 4.1: Basics
<i>Jan 20</i> Martin Luther King Jr. Holiday No Classes	<i>Jan 21</i>	<i>Jan 22</i> 4.1: Basics (cont.) and 4.2: Bounded Operators	<i>Jan 23</i>	<i>Jan 24</i> 4.2: Bounded Operators
<i>Jan 27</i> Examples	<i>Jan 28</i> Last day to drop with deletion from record	<i>Jan 29</i> 4.3: Isomorphisms and Completions	<i>Jan 30</i>	<i>Jan 31</i> 4.4: Adjoint Operators Homework 1
<i>Feb 3</i> 4.4: Adjoint Operators (cont.)	<i>Feb 4</i>	<i>Feb 5</i> 4.5: On the Uniform Boundedness Principle	<i>Feb 6</i>	<i>Feb 7</i> 4.5: Strong and Weak Convergence
<i>Feb 10</i> 4.5: Strong and Weak Convergence (cont.) and 4.6: Orthogonal Projections	<i>Feb 11</i>	<i>Feb 12</i> 4.6: Orthogonal Projections (cont.) Last day to apply for GRO	<i>Feb 13</i>	<i>Feb 14</i> 4.6: Unitary operators and Partial Isometries Homework 2
<i>Feb 17</i> 5.1: Closed and Closable Operators	<i>Feb 18</i>	<i>Feb 19</i> 5.1: Closed and Closable Operators (cont.)	<i>Feb 20</i>	<i>Feb 21</i> 5.1: The Closed Graph Theorem Homework 3
<i>Feb 24</i> 5.2: Resolvents	<i>Feb 25</i>	<i>Feb 26</i> 5.2: Spectral Theory Basics (cont.)	<i>Feb 27</i>	<i>Feb 28</i> 5.2: Spectral Theory Basics (cont.)
<i>Mar 2</i> 5.3: Symmetric and Self-Adjoint Operators	<i>Mar 3</i>	<i>Mar 4</i> 5.3: Symmetric and Self-Adjoint Operators (cont.)	<i>Mar 5</i>	<i>Mar 6</i> 6.2: Hilbert-Schmidt Operators

Monday	Tuesday	Wednesday	Thursday	Friday
<i>Mar 9</i> Spring Break	<i>Mar 10</i> Spring Break	<i>Mar 11</i> Spring Break	<i>Mar 12</i> Spring Break	<i>Mar 13</i> Spring Break
<i>Mar 16</i> 7.1: The Spectral Theorem for Compact Operators	<i>Mar 17</i>	<i>Mar 18</i> 7.2: Integration with respect to a spectral family Homework 6	<i>Mar 19</i>	<i>Mar 20</i> 7.3: The Spectral Theorem for self-adjoint operators Homework 4
<i>Mar 23</i> 7.4: The Spectra of Self-Adjoint Operators	<i>Mar 24</i>	<i>Mar 25</i> 7.5: The Spectral Theorem for Normal Operators	<i>Mar 26</i>	<i>Mar 27</i> 7.6: One Parameter Unitary Groups Homework 5
<i>Mar 30</i> 9.1: Relatively Bounded Perturbations	<i>Mar 31</i> Last day to withdraw with W using Uaccess	<i>Apr 1</i> 9.2: Relatively Compact Perturbations	<i>Apr 2</i>	<i>Apr 3</i> 9.3: Strong Resolvent Convergence
<i>Apr 6</i> Homework 8	<i>Apr 7</i>	<i>Apr 8</i>	<i>Apr 9</i>	<i>Apr 10</i>
<i>Apr 13</i> Homework 9	<i>Apr 14</i> Last day to submit petition for late withdrawal	<i>Apr 15</i>	<i>Apr 16</i>	<i>Apr 17</i>
<i>Apr 20</i>	<i>Apr 21</i>	<i>Apr 22</i>	<i>Apr 23</i>	<i>Apr 24</i>
<i>Apr 27</i> Homework 10	<i>Apr 28</i>	<i>Apr 29</i>	<i>Apr 30</i>	<i>May 1</i>

<i>May 4</i>	<i>May 5</i>	<i>May 6</i>	<i>May 7</i>	<i>May 8</i>
Homework 10		Last day of classes	Reading day	