### CS 758/858 Schedule, Fall 2017

**revision of August 28, 11:30am**

[http://www.cs.unh.edu/~ruml/cs758/](http://www.cs.unh.edu/~ruml/cs758/)

**lectures Tuesdays and Thursdays 11:10am-12:30pm**

**recitations Fridays 11:10am-noon**

Kingsbury N133

<table>
<thead>
<tr>
<th>Week</th>
<th>Class</th>
<th>Date</th>
<th>Topic</th>
<th>Book Due</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Aug 29</td>
<td>intro, big-O</td>
<td>2, 3</td>
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<tr>
<td>2</td>
<td>3</td>
<td>Sep 5</td>
<td>heaps</td>
<td>7, 6 asst 1 (sorting)</td>
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<td>3</td>
<td>5</td>
<td>Sep 12</td>
<td>binary trees</td>
<td>12</td>
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<td>4</td>
<td>7</td>
<td>Sep 19</td>
<td>red-black deletion</td>
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<tr>
<td>5</td>
<td>9</td>
<td>Sep 26</td>
<td>LPs (Prof. Petrik; Wheeler at IROS)</td>
<td>29</td>
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<tr>
<td>6</td>
<td>11</td>
<td>Oct 3</td>
<td>dynamic programming</td>
<td>15 asst 6 (LPs)</td>
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<tr>
<td>7</td>
<td>13</td>
<td>Oct 10</td>
<td>parsing</td>
<td>asst 7 (sequence alignment)</td>
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<td>8</td>
<td>14</td>
<td>Oct 12</td>
<td>greedy</td>
<td>16</td>
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<td>9</td>
<td>16</td>
<td>Oct 24</td>
<td>union-find, components</td>
<td>21</td>
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<td>10</td>
<td>18</td>
<td>Oct 31</td>
<td>shortest paths</td>
<td>24</td>
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<td>11</td>
<td>20</td>
<td>Nov 7</td>
<td>network flow (Fri schedule: 11:10-12)</td>
<td>26</td>
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<tr>
<td>12</td>
<td>22</td>
<td>Nov 14</td>
<td>NP-completeness</td>
<td>asst 11 (route planning)</td>
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<td>13</td>
<td>24</td>
<td>Nov 21</td>
<td>clique</td>
<td>asst 12 (NP proof)</td>
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<td>14</td>
<td>25</td>
<td>Nov 28</td>
<td>undecidability</td>
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<tr>
<td>15</td>
<td>26</td>
<td>Nov 30</td>
<td>approximation</td>
<td>asst 13 (NP proof)</td>
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<td>16</td>
<td>27</td>
<td>Dec 5</td>
<td>backtracking</td>
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<td>17</td>
<td>28</td>
<td>Dec 7</td>
<td>wildcard slot</td>
<td>asst 14 (algorithm design)</td>
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<tr>
<td>18</td>
<td>Dec 12</td>
<td>Final Exam, 3:30-5pm? (consult registrar for details)</td>
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Reminders: No credit for late work.
You must be present for the exams.