# January 2019

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| --- | --- | --- | --- | --- | --- | --- |
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|  |  | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21  MLKJ Day (NO SCHOOL) | 22  First day of Class!  Algorithm Analysis (CH 2) | 23 | 24  Algorithm Analysis (CH 2) HW #1 assigned | 25 | 26 |
| 27 | 28 | 29  Algorithm Analysis (CH 3) | 30 | 31  Greedy Algorithms (CH 16) – Huffman coding  HW #1 Due  PA #1 Assigned |  |  |

# February

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| --- | --- | --- | --- | --- | --- | --- |
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|  |  |  |  |  | 1 | 2 |
| 3 | 4 | 5  Greedy Algorithms - Huffman coding | 6 | 7  Greedy Algorithms -  Shortest Path (CH 24) | 8 | 9 |
| 10 | 11 | 12  Greedy Algorithms -  Shortest Path  PA #1 Due  PA #2 Assigned | 13 | 14  Greedy Algorithms -  Shortest Path | 15 | 16 |
| 17 | 18 | 19  Greedy Algorithms -  Flow Rates (CH 26) | 20 | 21  Greedy Algorithms -  Flow Rates | 22 | 23 |
| 24 | 25 | 26  Greedy Algorithms – MSTs (CH 23)  PA #2 Due  PA #3 Assigned | 27 | 28  Greedy Algorithms – MSTs |  |  |

# March

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| --- | --- | --- | --- | --- | --- | --- |
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|  |  |  |  |  | 1 | 2 |
| 3 | 4 | 5  Greedy Algorithms – [Stable Marriage](https://en.wikipedia.org/wiki/Stable_marriage_problem) | 6 | 7  Greedy Algorithms – [Stable Marriage](https://en.wikipedia.org/wiki/Stable_marriage_problem) | 8 | 9 |
| 10 | 11 | 12  Greedy Programming – [Decision Trees](https://en.wikipedia.org/wiki/ID3_algorithm)  PA #3 Due  PA #4 Assigned | 13 | 14  Greedy Programming – [Decision Trees](https://en.wikipedia.org/wiki/ID3_algorithm) | 15 | 16 |
| 17 | 18  SPRING BREAK | 19  SPRING BREAK | 20  SPRING BREAK | 21  SPRING BREAK | 22  SPRING BREAK | 23 |
| 24 | 25 | 26  Dynamic Programming Basics (CH 15) | 27 | 28  Dynamic Programming – Rod Cutting | 29 | 30 |

# April

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| --- | --- | --- | --- | --- | --- | --- |
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|  | 1  NO SCHOOL | 2  Dynamic Programming – Rod Cutting  PA #4 Due  PA #5 Assigned | 3 | 4  Dynamic Programming – [Levenshtein Distance](https://people.cs.pitt.edu/~kirk/cs1501/Pruhs/Spring2006/assignments/editdistance/Levenshtein%20Distance.htm) | 5 | 6 |
| 7 | 8 | 9  Dynamic Programming – [Levenshtein Distance](https://people.cs.pitt.edu/~kirk/cs1501/Pruhs/Spring2006/assignments/editdistance/Levenshtein%20Distance.htm) | 10 | 11  Dynamic Programming – [Levenshtein Distance](https://people.cs.pitt.edu/~kirk/cs1501/Pruhs/Spring2006/assignments/editdistance/Levenshtein%20Distance.htm) | 12 | 13 |
| 14 | 15 | 16  Dynamic Programming –Needleman-Wunch ([a](https://en.wikipedia.org/wiki/Needleman%E2%80%93Wunsch_algorithm), [b](http://experiments.mostafa.io/public/needleman-wunsch/))  PA #5 Due  PA #6 Assigned | 17 | 18  Dynamic Programming –Needleman-Wunch ([a](https://en.wikipedia.org/wiki/Needleman%E2%80%93Wunsch_algorithm), [b](http://experiments.mostafa.io/public/needleman-wunsch/)) | 19 | 20 |
| 21 | 22 | 23  Dynamic Programming –Needleman-Wunch ([a](https://en.wikipedia.org/wiki/Needleman%E2%80%93Wunsch_algorithm), [b](http://experiments.mostafa.io/public/needleman-wunsch/)) | 24 | 25  Dynamic Programming – Longest common subsequence | 26 | 27 |
| 28 | 29 | 30  Dynamic Programming – Longest common subsequence  PA #6 Due  PA #7 Assigned |  |  |  |  |

# May

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| --- | --- | --- | --- | --- | --- | --- |
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|  |  |  | 1 | 2  Divide and Conquer - [FFTs](https://en.wikipedia.org/wiki/Cooley%E2%80%93Tukey_FFT_algorithm) | 3 | 4 |
| 5 | 6 | 7  Divide and Conquer - [FFTs](https://en.wikipedia.org/wiki/Cooley%E2%80%93Tukey_FFT_algorithm) | 8 | 9  Exam Review | 10  PA #7 Due | 11 |
| 12  FINALS WEEK! | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 |  |