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   Fall 2018 Detailed Proposed Course Schedule

| Week | Week beginning… | Topic |  |
| --- | --- | --- | --- |
| 1 | Sept 03 | Intro, history, computer architecture |  |
| 2 | Sept 10 | Integers, conversions, x86, nasm data/bss |  |
| 3 | Sept 17 | Data size, arithmetic |  |
| 4 | Sept 24 | Jump and branches |  |
| 5 | Oct 01 | Bit shifts, bit masks, floating point |  |
| 6 | Oct 08 | Subprograms , stack |  |
| 7 | Oct 15 | Local variables, buffer overflow |  |
| 8 | Oct 22 | Android: review and intro |  |
| 9 | Oct 29 | Android: android NDK |  |
| 10 | Nov 05 | Android: NFC basics |  |
| 11 | Nov 12 | Case studies |  |
| 12 | Nov 19 | Case studies |  |
| 13 | Nov 26 | Project presentations / |  |
| 14 | Dec 03 | Project presentations / review |  |
| 15 | Dec 10 | Exam |  |

Notes:

* Schedule and topics may be adjusted at instructor’s discretion.
* Supplementary readings and articles will be provided throughout the course.

Marks Breakdown:

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| --- | --- | --- |
| Final Exam | 20% | Students must get at least 60% in each component in order the pass the course.  The passing grade for the whole course is 60%. |
| Quizzes | 20% |
| Exercise Assignments | 20% |
| Workshop Presentations & Participation | 20% |
| Term Project | 20% |
|  |  |
| TOTAL | 100% |