

## Reading Advice for EDA230 Optimizing Compilers 2011

In addition to the book, the following papers are included in the literature:

- Lal George and Andrew Appel: *Iterated register coalescing*, Journal ACM Transactions on Programming Languages and Systems (TOPLAS) Volume 18 Issue 3, May 1996.
- Monica S. Lam: *Software pipelining: an effective scheduling technique for VLIW machines*, ACM SIGPLAN Notices - Best of PLDI 1979-1999, Volume 39 Issue 4, April 2004.

The relative importance of each part of the book for the exam is rated as follows:

- 3 Everyone should understand this.
- 4 Advanced.
- 5 More advanced.
- S Skip it for the EDA230 exam.

Pages	Importance	
14 - 21	3	
22 - 39	5	
43 - 72	3	the proofs: 5
73 - 88	S	
89 - 96	3	including <i>reaching_defs</i>
96 - 99	5	
100 - 118	3	the proofs: 5
119 - 132	5	
133 - 141	3	
141 - 180	4	including 5.5.1.2
180 - 189	5	but skip Algorithm 5.15
189 - 197	3	including Algorithm 5.17
198 - 198	5	5.7.4
199 - 222	5	
223 - 232	3	including <i>list_sched</i>
232 - 238	5	
239 - 246	3	only principles of Algorithm 8.1
George/Appel article	3	
Lam article	5	