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Spanish trad	ition
El Greco	Diego
1541-1614	Velasquez
Francisco	Pablo
de Goya 1746-1828	Picasso 1881-1973
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## Picasso

In fine arts one is encouraged to copy masters as a way of learning

- In 1956, at the 300<sup>th</sup> anniversary of Diego Velázquez's Las Meninas, Picasso revisited Madrid to see the painting
- The story goes he came back and locked himself in his studio for three months and painted 58 versions of it – deconstructing and constructing – not copying
  - All can be seen at Museu Picasso in Barcelona
- Why? Picasso was 75 and very aware of his Spanish heritage. Was he trying to improve upon the master's work?

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## Deconstructing & Constructing: Las Meninas

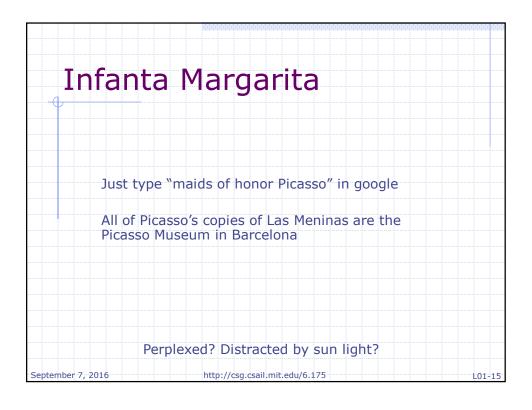
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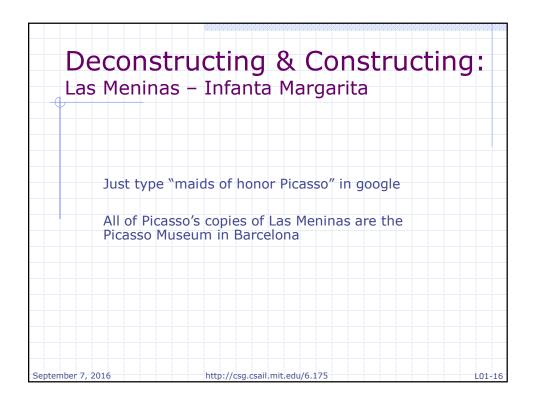
All of Picasso's copies of Las Meninas are the Picasso Museum in Barcelona

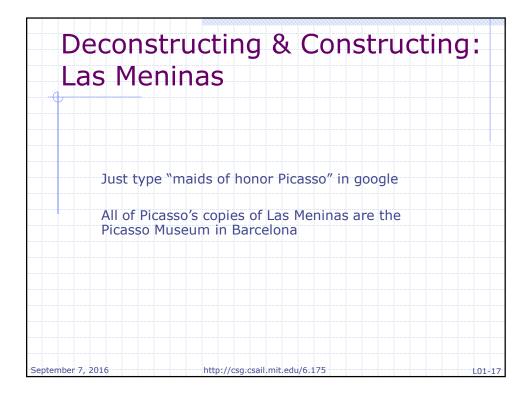
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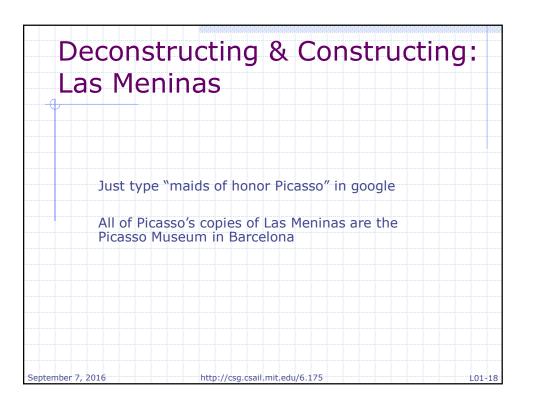
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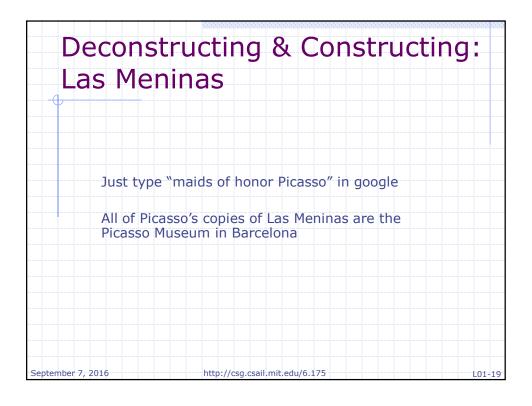
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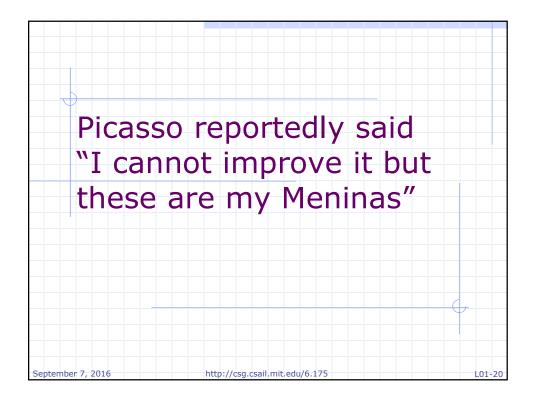


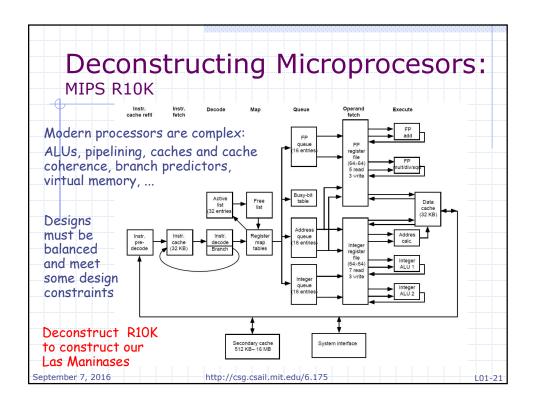


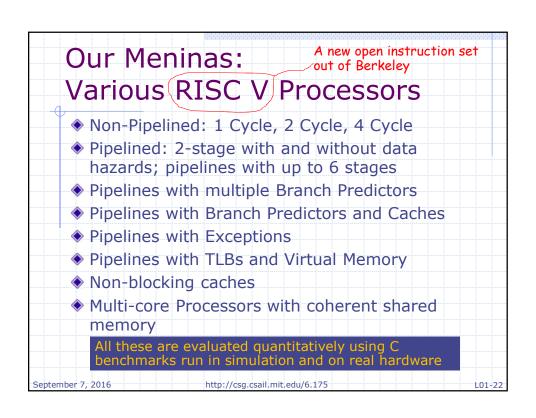












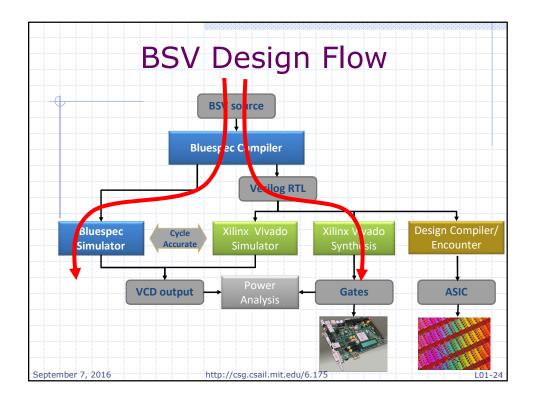
## The goals of this subject

- Study computer architecture by constructing many different machines
- Learn a new method of describing architectures where there is less emphasis on figures/diagrams and more emphasis on executable descriptions
  - Each architecture and each part of it would be defined as executable code in BSV
  - Learning BSV is about learning a model of parallel programming (all hardware is parallel)
- Learn about test benches, including designing your own
- Learn about quantitative evaluation of designs

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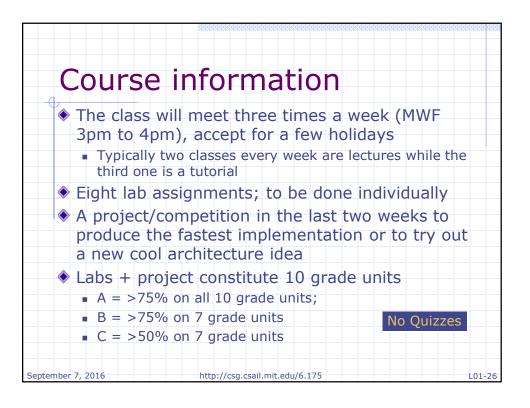
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All the designs you do in this course can be implemented as ASICs without any changes in the source code. Time will not permit the class to explore ASICs but we will show sample synthesis results

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## Resources \* "Computer Architecture: A Constructive Approach", Arvind, Rishiyur Nikhil, Joel Emer and Murali Vijayaraghavan \* BSV Reference manual For most up-to-date information and handouts please consult the course website: http://csg.csail.mit.edu/6.175 September 7, 2016 http://csg.csail.mit.edu/6.175

