# Timeplan

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## 1 Milestones

- (1w) Formal system: syntax
- (1w) Formal system: type system
- (1w) Formal system: Semantics
- (1w) Coq: syntax, typing rules and semantics
- (1m) Coq: progress and preservation proofs
- (1w) Thesis chapter: Introduction (problem statement, proposed solution)
- (1m) Thesis chapter: Background (effects, algebraic effects and handlers, instances)
- (1m) Thesis chapter: Our system
- (2w) Thesis chapter: Examples (encapsulated effects, polymorphic heaps)
- (2w) Thesis chapter: Formalization
- (1w) Thesis chapter: Evaluation and discussion
- (2w) Thesis chapter: Related work
- (2w) Thesis chapter: Conclusion and future work (polymorphic operations, indexed effects)

# 2 Timeplan

| **Date** | **Milestones** |
|---|---|
| December, January | Christmas, course assignment deadlines and exam |
| 4 February | Course project 2 deadline, Syntax, background on algebraic effects |
| 18 February | Type system, background on instances |
| 4 March | Semantics, Coq syntax, typing rules, semantics |
| 18 March | part of Coq proofs, part of System chapter |
| 1 April | part of Coq proofs, part of System chapter |
| 15 April | Coq proofs done, System chapter done |
| 29 April | Examples done |
| 13 May | Formalization chapter done |
| 27 May | Related work done |
| 10 June | Introduction and Evaluation done |
| 24 June | Improvements, thesis done |