

Hold'em Project Grading Notes

This project will be graded out of a total of 50 points, with 25 points for the mathematical analysis and 25 communication points. (See the document *M442 as an Oral Communications (C) Course*, available on the course web site, for more information about the communication grade.) Each project can be resubmitted once to be re-graded on communication.

Group Members:

Analysis points

1. **1 point.** Probability of getting a pocket unsuited connector.
2. **4 points.** Probabilities for the 12 hands described in Item 2. Also, the verification calculation in Item 2a.
3. **2 points.** Analysis of Starting Hands 1 and 2.
4. **1 point.** Flush draw calculation in Item 4.
5. **2 points.** Analysis of flop hands 1 and 2.
6. **2 points.** Raising at the flop to protect a hand.
7. **2 points.** Analysis of runner-runner hands.
8. **2 points.** Analysis of turn hands 1 and 2.
9. **2 points.** A mathematician's view of bluffing.
10. **2 points.** A gambler's view of bluffing.
11. **2 points.** Bluffing on the river: River Hand 1.
12. **2 points.** More bluffing on the river: River Hand 2.
13. **1 point.** Analysis of check-raising.

Communication points

1. **10 points.** Clarity of discussion, including a thorough introduction, systematic development of the analysis with no sizeable omissions (such as leaving out an important M-file), and thorough conclusion.
2. **5 points.** Typesetting of the mathematics, including the appearance of variables both in the prose and in displayed equations and the appearance of mathematical structures such as (properly aligned) systems of equations, matrices or summations.
3. **5 points.** Figures, tables and files, including layout and appropriate sizing (inside text columns, but not too small).
4. **5 points.** Grammar and typographical issues, including sentence fragments and illogical sentence constructions, misspelled words, and subject-verb agreement.