

ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE
School of Computer and Communication Sciences

Principles of Digital Communications:
Summer Semester 2007

Assignment date: May 3, 2007
Due date: May 10, 2007

Homework 6

Problem 1. Lecture notes Problem 2 of Section 3.4

Typo: The signal $s(t)$ is shown in Figure (a) (not in Figure (b)).

Problem 2. Lecture notes Problem 8 (*QAM Receiver*) of Section 3.4

Problem 3. Lecture notes Problem 12 of Section 3.4

Note: We won't penalize you if you don't find the smallest possible number of correlators.

Problem 4. Lecture notes Problem 1 (*Matched Filter Implementation*) of Section 3.4