Name: (4 pts)	Umail Address: (4 pts)	@umail.ucsb.ed
Lab Section (2 pts)—circle one:	9am 10am 11am noon un	known
(Note: For now, circle the lab section you are registered SCHEDULE CONFLICT, please email pconrad@cs.ucs	for on GOLD. If you need to request attendance at a different sb.edu with details)	ent lab section because of an ACTUAL
It may ONLY be submitted Lal You must come In Late Policy: No email submission allowed—and don't appointment to see me, and you must request this appointment Day/Sick Day policy: Everyone is permitted of the policy.	assignment is due IN Lab on Friday, 04.30. b, in ESB1003 (Cooper Lab) at 9am, 10am N PERSON to turn it in during your assigned "slip it under my door". If you need to make it up, you must ntment within 48 hours of when the assignment was origina one "personal day/sick day" when you get to make up a mis up the homework assignment—you can only earn back the olicy)	<b>1, 11am or noon on Friday.</b> I Lab section. It do so during office hours, or make an lly due. It do so during office hours for free during office homework assignment for free during office.
For this homework, the preparation is mat <a href="http://www.cs.ucsb.edu/~pconrad/cs16/10g">http://www.cs.ucsb.edu/~pconrad/cs16/10g</a> Be sure to read not only the main text of the little boxes off to the side. It	S/homework/H13/handout (pdf link)	The little boxes on the handout—boxes like
Once you've read that handout, write answ (use the PDF link to print a copy of this if	vers to the questions on this sheet	this one—define terms such as <i>field</i> , <i>member</i> , and <i>instance</i> . Each of
1. (5 pts) Write the definition of a stru The names of the fields should be m	nct called struct Date that contains three in nonth, day and year.	those terms appears in questions on this assignment.
2. (5 pts) Write a line of code that crea	ates a variable called today of type struct	Date
3. (10 pts) Write three lines of code (the	hree separate assignment statements) that	use the dot operator to initialize the

members of the instance of struct Time that you declared in the previous problem.

Initialize those members to integers representing the date this assignment is due.

Please turn over for more...

## ...continued from other side

4. For each of the following segments of C code, circle YES or NO to indicate whether memory is allocated as a result.

```
YES
                  NO
a. (3 pts)
  struct Time
     int hours;
     int minutes;
  };
b. (3 pts)
          YES
                  NO
  int x;
c. (3 pts)
          YES
                  NO
  struct Time t1;
d. (3 pts)
          YES
                  NO
  struct Student
     char name[20];
     int permNumber;
     double gpa;
  };
e. (3 pts)
         YES
                  NO
  struct Time dinnerTime = {17,30}; // 5:30pm
```

5. (5 pts) Assuming that we have the following declaration for a GPS coordinate:

```
struct GPSCoord
{
    double lat;
    double lon;
};
```

Write a line of code that declares a instance of struct GPSCcoord with the variable name airportSBA, that also initializes that member to the value latitude: 34.4261944, longitutde: -119.8415000.