

## **Suggested research topics**

### **Winter semester of the academic year 2019/2020**

Course name in Arabic: <b>علم الفلك والارصاد الجوية</b>
Course name in English: <b>Meteorology</b>
Professor Dr.: <b>Radi Ali Mohamed</b>  <b>Dr/ Attia Abouzaid</b>
Level: <b>First</b>
Department: <b>-Aquaculture</b>  <b>- Fish processing and Biotechnology</b>

No.	Research title	Research items
1	Forms of atmosphere	1- Atmosphere 2- Hydrosphere 3- lithosphere 4- Biosphere
2	Vertical divisions of the atmosphere	1- The Troposphere. 2- The stratosphere. 3- The mesosphere. 4- The thermosphere.
3	Composition of the atmosphere	1-nitrogen 2-oxygen 3-carbon dioxide 4-ozone 5-water vapor 6- dust particles
4	Wind speed and direction	1- Pressure gradient force 2- Gravity 3- planetary rotation 4- friction
5	Factors affecting temperature	1- latitude 2- elevation 3- lands vs. ocean 4- Cloud cover

**Course Instructor:**

**Name: Dr/ Radi Mohammed Aly--- Dr/ Attia Abouzaid.**

**Signature: Dr/ Radi Mohammed Aly--- Dr/ Attia Abouzaid**

No.	Research title	Research items
6	Temperature	1- Definition 2- Energy forms 3- Temperature scales 4- Measuring temperature 5- Different temperature measurements
7	precipitation	1- rain 2- freezing rain 3- sleet 4- snow 5- hail
8	Land and water contrasts	1- Evaporation 2- Transparency 3- Specific heat 4- movement
9	Mechanism of precipitation development	1- coalescence theory 2- Bergeron-findeisen process
10	Types of condensation	1- Dew 2- Frost 3- Frozen dew 4- fog 5-clouds

**Course Instructor:**

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