Here is a summary of the most crucial information of this class.

- **URL:** `http://homepage.ntu.edu.tw/~cjtsai/teaching/15dg.html`
  or `https://ceiba.ntu.edu.tw/1032dg2`

- **Classes:** Wednesday, 16:30~17:20 and Friday 10:20~12:10 at Astro-Math 102
  (星期三第 8 節和星期五第 3、4 節)

- **TF:** 蔡忠潤　Chung-Jun Tsai, Astro-Math 458, `cjtsai@ntu.edu.tw`

- **Office hours:** Tuesday 16:00~17:00, Thursday 10:45~11:45 or by appointment

- **References:**

  1. Jeff Cheeger and David Ebin, *Comparison theorems in Riemannian Geometry*. North-Holland Publishing Co., Amsterdam-Oxford; American Elsevier Publishing Co., Inc., New York, 1975.

  2. Frank Warner, *Foundations of differentiable manifolds and Lie groups*. Springer-Verlag, New York-Berlin, 1983.

  3. Clifford Taubes, *Differential geometry. Bundles, connections, metrics and curvature*. Oxford University Press, Oxford, 2011.

  4. Manfredo do Carmo, *Riemannian Geometry*. Birkhäuser Boston, Inc., Boston, MA, 1992.

- **Grades:** Homework=30%, Midterm=30%, Final=35%, Course Participation=5%.

- **Homework:** Homework will be assigned weekly (every Wednesday), at least until the midterm. It is due on the next Wednesday. Late homework will get less credit. After rescaling to 100 points, the late penalty is −4 points per day. You have two jokers: the lowest two grades will be discarded.
  至少到期中考前，每週三會有一份習題，規定於一週後交。如果遲交，分數會打折。在調整回百分制後，每遲交一天扣 4 分。在計算學期成績時，最低分的兩次成績不列入計算。

- **Course Assistant:** 孫有慶　Yu-Ching Sun, Astro-Math 445.

- **Midterm:** The midterm will be a written exam. It will be held during the class of April 24 or May 1.
  期中考會是在四月 24 日或 5 月 1 日的課堂上進行筆試。

- **Final:** The final will be an oral presentation on some topic.
  期末考會是以口頭報告的方式進行，相關題材會在期中之後公布及指定。

- **Self-Studying Week:** We plan not to have any lecture during the week of May 4 to 8.
  第十一週 (五月 4 日至 8 日) 為自主學習週，該週我們計畫不上課。你可以利用該週喘口氣，或是回顧前面所學、或是自由探索相關題材。