The patient is positioned supine and the knees are flexed 45 degrees over the end of the table and the legs are supported.

The central x-ray beam is inclined downward 30 degrees from the horizontal to strike the film cassette (placed distal to the patellae) at a right angle.

Defined the congruence angle to measure patellofemoral congruence (Figure 11-1)

**Measurement of Congruence Angle**

- Identify the highest point of the medial (B) and lateral (C) condyles and the lowest point of the intercondylar sulcus (A).
- The angle, BAC, is the sulcus angle.
- Bisect the sulcus angle to establish the zero reference line (AO).
- Identify the lowest point on the articular ridge of the patella (D).
- Draw a line AD and project in anteriorly.
- The angle DAO is the congruence angle.
- All values medial to the zero reference line AO are designated as negative and those lateral as positive.